

# INDIANA

**Meter Mounting Equipment** 



Meter mounting equipment approved for use within the Indiana service area.

### Milbank Overview

### Energy At Work Since 1927

Milbank designs and manufactures electrical solutions that move and manage power for the residential, commercial, industrial, utility and transportation sectors. With nearly a century of expertise in electrical engineering design and manufacturing, Milbank's portfolio includes metering equipment, enclosures and power distribution and controls. Founded in 1927, Milbank is a family-owned, American manufacturer headquartered in Kansas City, Mo. For more information, please visit milbankworks.com.



#### Metering

Milbank has been a market leader in electrical metering equipment, setting the standard in quality, for 95 years and counting. There are hundreds of available configurations, including a range of sizes as well as various knockout, terminals and bypass options. Products also have a variety of selections for hubs, locks and connectors. Milbank has the socket you need with thousands of active products to meet your utility's requirements.



#### **Enclosures**

Milbank's line of enclosures include commercial junction boxes, panel mount enclosures, transformer cabinets, wireways and troughs. Enclosures are designed to meet or exceed industry standards. Each one is constructed with high-quality materials and built with superior craftsmanship. Each unit is engineered to protect controls and equipment from dust, dirt and other harmful elements, based on various NEMA ratings.



#### **Power Distribution & Controls**

Milbank doesn't just build empty enclosures, we can design and craft the entire package. Our power distribution and controls are custom control equipment, engineered and built to your exact specifications. Milbank Power Distribution & Controls are an attractive, secure, easy-to-install and cost-effective solution. These units can replace unsightly and insufficient strut and backboard structures when underground remote site power distribution and control equipment is required.



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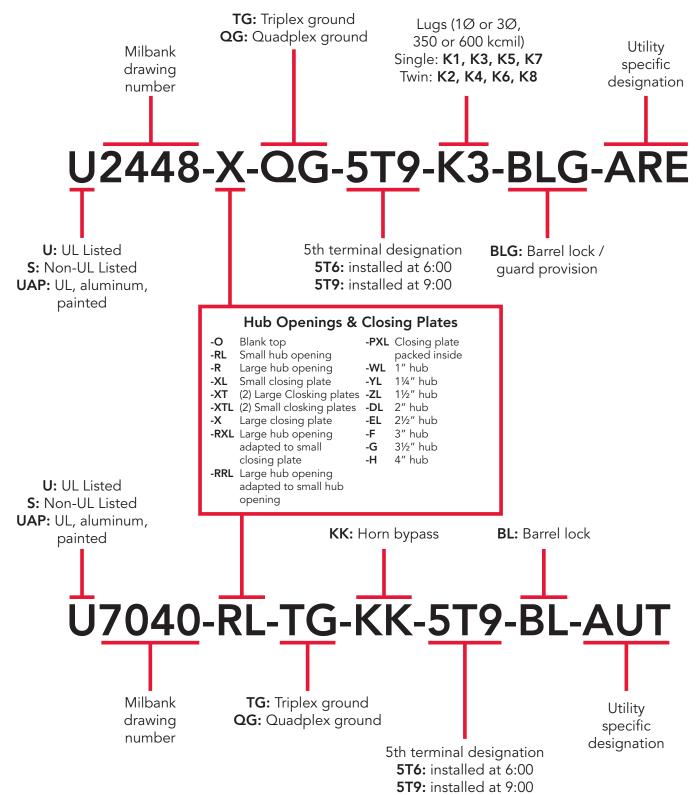
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How Our Product Catalog Numbers are Derived







### **Air Conditioner Disconnects**

### 30-60 Amps | Fusible and Non-Fusible







U3802 U3812 U3832

Milbank's air conditioner disconnect has a removable hinged cover for ease of installation. Our compact design meets NEC wiring space requirements and also complies with NEC article 440-14. For safe working conditions, our disconnect pullers may be removed and reinstalled in the OFF position. Additionally, padlock provisions are included on the front cover. As with other Milbank products, our enclosure is constructed of G90 galvanized steel and electrostatically finished with an attractive, light gray, baked powder coating. Our epoxy/polyester resin blend offers a finish that is both durable and fade-resistant.

30-60 Amps | 1Ø, 240V | Air Conditioner Disconnects

Catalog Number	Amps	Amps Type		Weight (lbs.)		Load Range	Ground Wire	Din	nensi	ons	Wire I	Rating
Number			H.P.	(IDS.)	CU	AL	Range CU/AL	D"	W"	H"	CU °C	AL °C
U3802	60	Non-Fusible	10	3.25	#14-#2	#12-#2	#14-4	21/2	5	71/2	60°/75°	60°/75°
U3812	60	Non-Auto	10	3.25	#14-#2	#12-#2	#14-4	21/2	5	71/2	60°/75°	60°/75°
U3832	30	Fusible	3	2.5	#14-#3	#14-#3	#14-3	21/8	5	7	60°/75°	60°/75°
U3862	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	21/8	5	9	60°/75°	60°/75°

#### **Notes**

- UL-listed as Enclosed Pullout Switch
- Type 3R
- Weather resistant
- One-inch concentric knockouts





### **Air Conditioner Disconnects**

### 20 Amps GFCI Receptacle



U3822-20GWR

#### **Specifications**

- Meets NEC #210.63 requirements
- UL-listed as Power Outlet
- Type 3R enclosure
- In-use cover\*
- Duplex ground connector
- One-inch concentric knockouts

- 1Ø, 240V
- 60 Amps, non-fused
- 20 Amps GFCI receptacle
- Reset/test button
- Weather and tamper resistant
- Meets NEC #406.8 requirements

#### 60 Amps | 1Ø, 240V | Air Conditioner Disconnect with GFCI Receptacle

Catalog	TVDA VIIIE RAINGE			Ground Wire Range	Dimensions			Wire Rating			
Number		п.г.	P. (lbs.) CU AL		AL	CU/AL	D"	W"	Н"	CU °C	AL °C
U3822-20GWR	Non-Fusible	10	6	#14-#2	#12-#2	#14-4	41/5	51/4	<b>7</b> <sup>2</sup> / <sub>5</sub>	60°/75°	60°/75°

#### **Notes**

- **Disconnect pullers:** To ensure the safest conditions, Milbank disconnect pullers are reversible so they may be reinstalled in the OFF position.
- Padlock provision: All units are designed with a padlock provision on the cover for security.
- \*In-use cover: Cover is rated as an in-use cover (cover may be closed with cords plugged into receptacle).





### **Hot Tub Disconnects**

### Type 3R Enclosures







U4881-O-60GB

#### **Specifications**

- 240V ground fault protection
- UL-listed
- Type 3R
- Weather resistant
- Two-pole, 50 or 60 Amps GFCI breaker protection
- Compact size

- Three or four wire installation
- 1Ø, 120/240V
- Standard package of 12
- Two extra one-pole breaker spaces
- 100 Amps overall rating
- Easy to install

#### 100 Amps | Hot Tub Disconnect or Sub Panel Breaker Enclosure | Type 3R

Catalog Number	Breaker	Туре	Weight	Line/ Wire I	Load Range	Ground Wire Range	Di	mensio	ns
Number	Amps		(lbs.)	CU	AL	CU/AL	D"	W"	H"
U4881-O-50GB	50	Breaker	8	#14-1/0	#14-1/0	#14-1/0	33/4	71/2	81/2
U4881-O-60GB	60	Breaker	8	#14-1/0	#14-1/0	#14-1/0	33/4	71/2	81/2





# **Single Position Sockets**



### 125-200 Amps | 4 Terminals | Ringless | 600V







U7040-RL-TG-KK



U4532-XL



U1980-O-KK



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 $(1)_{3}_{2}_{0}^{4}$ 









4413 4231

4 Terminals | Single Position | Ringless | Horn Bypass | 1Ø3W

		•			•							
Catalan Number	A	Camilaa	Unk	Connecto	ors CU/AL	Di	mensio	ons		Knock	couts	
Catalog Number	Amps	Service	Hub	Line	Load	D"	W"	H"	1	2	3	4
U7487-RL-TG-KK	125	OH/UG	H.O.	#6-2/0	#6-2/0	35/16	8	1111/2	2	11/2	11/4	1/4
U7487-RL-TG-KK-BLG	125	OH/UG	H.O.	#6-2/0	#6-2/0	35/16	8	111/2	2	_	11/4	1/4
U7021-RL-TG-KK	200	ОН	H.O.	#6-350	#6-350	41/8	8	15½	21/2	1/4,1/2	1/4	_
U7021-RL-TG-KK-BLG	200	ОН	H.O.	#6-350	#6-350	41/8	8	15½	21/2	1/4,1/2	1/4	_
U7040-RL-TG-KK	200	OH/UG	H.O.	#6-350	#6-350	41/8	11	145/8	21/2	1/4,1/2	1/4	_
U7040-RL-TG-KK-BLG	200	OH/UG	H.O.	#6-350	#6-350	41/8	11	145/8	21/2	1/4,1/2	1/4	_
U7040-XL-TG-KK	200	OH/UG	C.P.	#6-350	#6-350	41/8	11	145/8	21/2	1/4,1/2	1/4	_
U4532-XL	200	OH/UG	C.P.	#6-350	(2) #6-350	47/8	15	201/2	3	21/2	1/4,1/2	1/4

200 Amps | 4 Terminals | Single Position | Ringless | Horn Bypass | Side Wireway | 1Ø3W

• •	_			•	٠.			•	•		
Catalan Number	Service	Hub	Connecto	ors CU/AL	Di	mensi	ons		Knock	couts	
Catalog Number	Service	dun	Line	Load	D"	W"	H"	1	2	3	4
U1980-O-KK	UG	Blank	#6-350	#6-350	41/2	13	151/4	3	21/2	11/2	1/4,1/2
U1980-O-KK-BLG	UG	Blank	#6-350	#6-350	41/2	13	151/4	31/2	21/2	11/2	1/4,1/2
U4413-O-KK-BLG	UG	Blank	#6-350	#6-350	41/2	13	151/4	3	21/2	11/2	1/4,1/2

#### **Notes**

- **Hubs:** Order hubs separately see accessory page for ordering information.
- Fifth terminal: For field mounted fifth terminal for U7021, U7040, U4532 and U1980, order catalog number K5T. For the U7487, order catalog number 5T8K2.
- Connectors: Extruded aluminum connectors are tin plated.
- U4532: Includes twin lug connector on load side.
- Tap connector: For tap connector, order K4977-INT.
- Product numbers with BLG are used in AEP service areas.





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# **Single Position Lever Bypass**

200 Amps | 4-7 Terminals | Ringless | 600V



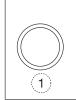


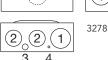


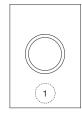
U3278-RL

U9551-RRL

U9701-RRL









(2)

200 Amps | Single Position | Lever Bypass | Ringless | Non-Jaw Clamping

Catalog	Tamainala	Phase	Service	Hub	Connectors	Di	mensi	ons		Kno	ckouts	
Number	Terminals	Pnase	Service	аип	CU/AL	D"	W"	Н"	1	2	3	4
U3278-RL	4	1Ø3W	ОН	H.O.	#6-350	41/8	11	15½	21/2	2	1/4, 1/2	1/4

#### 200 Amps | Single Position | Heavy Duty Lever Bypass | Ringless | Jaw Clamping

Catalog	Terminals	Phase	Service	Hub	Connectors	Di	mensi	ons	Knockouts				
Number	rerminais	rnase	Service	пив	CU/AL	D"	W"	Н"	1	2	3	4	
U9551-RRL	5	1Ø3W or 3Ø3W	OH/UG	H.O.	#6-350	47/8	13	19	3	21/2	1/4, 1/2	1/4	
U9701-RRL*	7	3Ø4W	OH/UG	H.O.	#6-350	47/8	13	19	3	21/2	1/4, 1/2	1/4	
U9701-RRL-BLG*	7	3Ø4W	OH/UG	H.O.	#6-350	47/8	13	19	3	21/2	1/4, 1/2	1/4	

#### **Notes**

- Hubs: For proper hub selection, see the hub suffix chart on the accessory page.
- Connectors: Extruded aluminum connectors are tin plated.
- Bypass: The lever on the U3278 unit operates the bypass device only; it does not provide clamping action on the meter spades. The levers on the U9551 and U9701 units supply clamping action on meter spades and also operate the bypass devices.
- Product numbers with BLG are used in AEP service areas.
- \*Can be used in a 100 Amps 3 phase applications due to lug range.





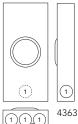
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320 Amps | 4 Terminals | Ringless | 600V

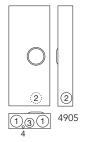


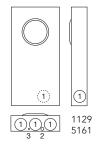


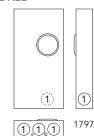












320 Amps Continuous (400 Amps Max) | 4 Terminals | Single Position | Ringless | Lever Bypass | 1Ø3W

Cotolog Number	Comics	Hub	Connector	s CU/AL	Dir	nensi	ons	Knockouts					
Catalog Number	Service	пир	Line	Load	D"	W"	Н"	1	2	3	4		
U4363-X-QG-K3-K2	ОН	C.P.	(1) #4-600 or (2) 1/0-250	(2) #6-350	47/8	13	281/4	3	1/4,1/2	1/4	_		
U1079-RRL-K3	ОН	H.O.	(1) #4-600 or (2) 1/0-250	3/8" x 16 Studs	47/8	13	38¾	3	21/2	1/4,1/2	1/4		
U4905-X	OH/UG	C.P.	³⁄8" x 16 Studs	³⁄8" x 16 Studs	53/4	16	38¾	4	31/2	3	1/4,1/2		
U4905-X-BLG	OH/UG	C.P.	³⁄8" x 16 Studs	³⁄8" x 16 Studs	53/4	16	38¾	4	31/2	3	1/4,1/2		
U5161-X-K3L-K2L-BLG	OH/UG	C.P.	(1) #4-600 or (2) 1/0-250	(2) #6-350	47/8	15	31/2	3	1/4,1/2	1/4	_		
U1129-O-K3L-K2L	UG	Blank	(1) #4-600 or (2) 1/0-250	(2) #6-350	47/8	15	30	3	1/4,1/2	1/4	_		
U1797-O-K3L-K2L	UG	Blank	(1) #4-600 or (2) 1/0-250	(2) #6-350	47/8	15	30	3	1/4,1/2	1/4	_		
U1797-O-K3L-K2L-BLG	UG	Blank	(1) #4-600 or (2) 1/0-250	(2) #6-350	47/8	15	30	3	1/4,1/2	1/4	_		

#### **Notes**

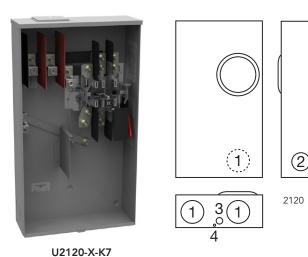
- Side wireway: U1797 and U4905 are side wireway units.
- Bypass: Lever supplies clamping action and also operates bypass device.
- Hubs: For proper hub selection, see the hub suffix chart on the accessory page.
- Connectors: Some units supplied with %" x 16 hex head nuts with Belleville washers. For connector kits, order as extra K1540 (single 600 kcmil). For twin lug connectors, order as extra K1350 (twin 350 kcmil). Order two kits to cover both line and load on U4905 and one kit for load side of U1079.
- Fifth terminal: For factory-installed fifth terminal in the 6 o'clock position, add the suffix -5T6 to the catalog number. For factory-installed fifth terminal in the 9 o'clock position, add the suffix -5T9 to the catalog number. For field-installed fifth terminal, order as extra catalog number K3865 for U1129, U1797 and U4905 and K3866 for U1079.
- Product numbers with BLG are used in AEP service areas.

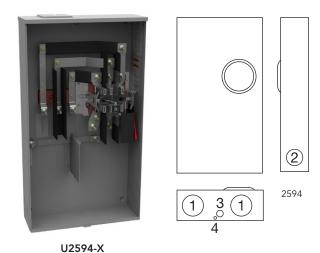




# **Single Position Lever Bypass**

320 Amps | 7 Terminals | Ringless | 600V





320 Amps | 7 Terminals | Single Position | Ringless | Side Wireway | 3Ø4W | Jaw Clamping

Catalog Number	Service Hub		Connecto	Dymass	Dimensions				Knockouts			
Catalog Number	Service	пир	Line	Load	Bypass	D"	W"	Н"	1	2	3	4
U2594-X	OH/UG	C.P.	3⁄8" x 16 Studs	3⁄8" x 16 Studs	Lever	61/2	19	341/8	4	3	1	1/4
U2594-X-BLG	OH/UG	C.P.	³⁄8" x 16 Studs	3/8" x 16 Studs	Lever	61/2	19	341/8	4	3	1	1/4
U2120-X-K7	UG	C.P.	(1) #4-600 or (2) 1/0-250	3/8" x 16 Studs	Lever	61/2	17¾	31¾	4	3	1	1/4

#### **Notes**

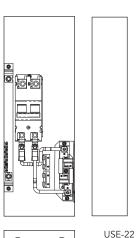
- Hubs: For proper hub selection, see the hub suffix chart on the accessory page.
- Bypass: Lever supplies clamping action and also operates bypass device.
- Connectors: Supplied with %" x 16 hex head nuts with Belleville washers. For connector kits, order as extra K3441 (single 600 kcmil). For twin lug connectors, order as extra K3442 (twin 350 kcmil). Separate kits are required for both line and load. Line side connectors furnished on U2120.
- Product numbers with BLG are used in AEP service areas.



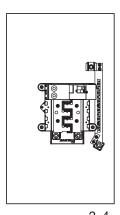


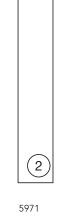
# 200 Amps | 120/240V











3 1 3

USE-22

1 2 400 5 3 4

59/1

USE-22-200-MB

U5971-XL-200

#### 200 Amps | Unmetered Load Center with Main Breaker

Catalan Number	Main Breaker	Circuits	Comics	Unik	E	imensi	ons			Knockou	ıts	
Catalog Number	Amp	Circuits	Service Hub	пив	D"	W"	Н"	1	2	3	4	5
USE-22-200-MB	200	4	ОН	2"	4	8	23	2	1	1/2,3/4	_	_
U5971-XL-100	100	10	OH/UG	C.P.	41/2	141/8	251/16	3	2	1	1/2,3/4	1/4,1/2
U5971-XL-150	150	8	OH/UG	C.P.	41/2	141/8	251/16	3	2	1	1/2,3/4	1/4,1/2
U5971-XL-200	200	8	OH/UG	C.P.	41/2	141/8	251/16	3	2	1	1/2,3/4	1/4,1/2

#### **Notes**

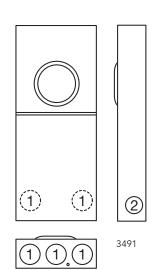
- AIC Rating: This units are rated 22K AIC.
- Breaker interlock: U5971 accepts breaker interlock kits order K5815 for large QN with small frame Q, K5820 for large frame QN with large frame QN, or K5830 for small frame Q to small frame Q.



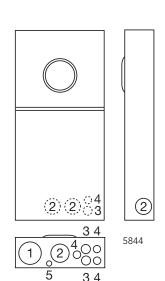


### 125-200 Amps | 4 Terminals | Ringless | 120/240V









U3491-XL-200

U5844-PXL-200-KK

200 Amps | 4 Terminals | Meter Mains | Ringless | OH/UG | 1Ø3W

Catalan Number	Amp Hub		Connectors CU/AL		Dunasa	Dimensions			Knockouts						
Catalog Number	Amp	Hub	Line	Load	Bypass	D"	W"	Н"	1	2	3	4	5		
U3491-XL-200	200	C.P.	#2-350	СВ	None	41/8	12	29	21/2	2	1/4	_	_		
U5844-PXL-200-KK	200	C.P.	#6-350	СВ	Horn	41/2	14	30	3	21/2	1	1/2,3/4	1/4,1/2		
U5844-PXL-200-KK-BLG	200	C.P.	#6-350	СВ	Horn	41/2	14	30	3	21/2	1	1/2,3/4	1/4,1/2		

#### **Notes**

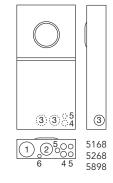
- Hubs: For proper hub selection, see the hub suffix chart on the accessory page.
- Breaker: For replacement breakers for U5844 order QN2200H.
- Fifth terminal: For field installable fifth terminal kit, order K5T.
- AIC rating: The U5844 is 22K AIC rated.
- PXL Closing plate packed inside of carton.
- Product numbers with BLG are used in AEP service areas.





200 Amps | 4 Terminals | Ringless | 120/240V







		Kno	ckout	ts	
1	2	3	4	5	6
3	2½	2	1	1/2,3/4	1/4,1/2

U5168-XTL-200-KK

200 Amps | 4 Terminals | Meter Mains | Horn Bypass | Ringless | 1Ø3W

						_	imensior	
Catalog Number	Breaker Amps	Circuits	Service	Hub	Connectors CU/AL - Line	D"	W"	ıs Н"
1154 / 0 V/TL 4 00 I/I/		10	011/116	C D				
U5168-XTL-100-KK	100	10	OH/UG	C.P.	#6-350	41/2	141/8	32
U5168-XTL-100-KK-BLG	100	10	OH/UG	C.P.	#6-350	41/2	141/8	32
U5168-XTL-150-KK	150	8	OH/UG	C.P.	#6-350	41/2	141/8	32
U5168-XTL-150-KK-BLG	150	8	OH/UG	C.P.	#6-350	41/2	141/8	32
U5168-XTL-200-KK	200	8	OH/UG	C.P.	#6-350	41/2	141/8	32
U5168-XTL-200-KK-BLG	200	8	OH/UG	C.P.	#6-350	41/2	141/8	32
U5268-XTL-150-KK	150	20	OH/UG	C.P.	#6-350	41/2	141/8	32
U5268-XTL-200-KK	200	20	OH/UG	C.P.	#6-350	41/2	141/8	32
U5268-XTL-200-KK-BLG	200	20	OH/UG	C.P.	#6-350	41/2	141/8	32
U5898-O-200-KK-BLG	200	8	OH/UG	C.P.	#6-350	41/2	17	341/2
U5898-O-100-KK-BLG	100	10	OH/UG	C.P.	#6-350	41/2	17	341/2

#### Notes

- Fifth terminal: For field-installed fifth terminal, order K5T.
- Breakers: Rated 22K AIC with QN2200H main installed for U5168 and U5268.
- Sub feed lugs: #6-350 sub feed lugs provided on 8 circuit interior. Not available on 20 circuit interior.
- Main lug kit: Main lug feed-through kit K3701 available.
- XTL Two small hub closing plate.
- Product numbers with BLG are used in AEP service areas.

#### Generator Interlock — for use with U5168 and U5268

	K5815	K5820	K5830
STANCE SOM COLT	Large <b>QN</b> with small frame <b>Q</b>	Large frame <b>QN</b> with large frame <b>QN</b>	Small frame <b>Q</b> to small frame <b>Q</b>

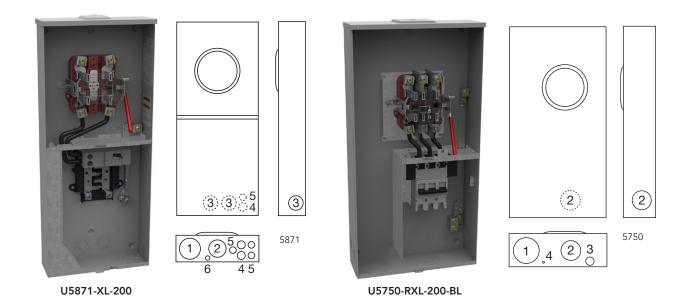
#### **Branch Breaker Chart**

AIC Rating	Amps	Siemens	Cutler-Hammer	General Electric	Square D
101	150-200	QNR	BR (150A only)	_	_
10k	≤ 125	QP	HQP, BR	THQL, THQL-GF	Homeline
221-	150-200	QNRH	_	_	_
22k	≤ 125	QPH	_	_	_





# 200 Amps | 4-7 Terminal | Lever Bypass | Ringless



#### 200 Amps | Meter Main | Lever Bypass | Ringless | Jaw Clamping

Catalog Number	Tavasiaala	Breaker	Service	Hub	Connectors		nensi	ons	Knockouts								
Catalog Number	Terminals	Amps	Service	пиы	CU/AL - Line	D"	W"	H"	1	2	3	4	5	6			
U5871-XL-200	4	200	OH/UG	C.P.	#6-350	41/2	141/8	32	3	21/2	2	1	1/2,3/4	1/4,1/2			
U5750-RXL-200-BL	7	200	OH/UG	C.P.	#6-350	53/4	173//8	34	4	3	1	1/4	_				

#### Notes

- Breakers: U5871 is rated 22K AIC with QN2200RH main installed. U5750 is rated 10K AIC with UQFB-3200 main installed.
- U5871- Has 8 branch circuits
- -BL: Barrel lock
- Fifth terminal: For field-installed fifth terminal for U5871, order K5T.
- Interlock kit: For generator auxiliary circuit breaker interlock for U5871, order K5815 for large QN with small frame Q; order K5820 for large frame QN with large frame QN.





## **Lever Bypass Meter Mains**

320 Amps | 4 Terminals | Ringless | 120/240V







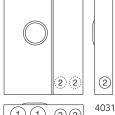
U5890-X-2/200-BL (shown with lugs installed)



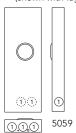
U5891-X-2/200-MLK-BL

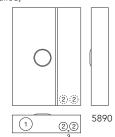


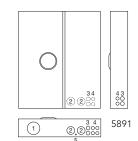
U4835-X-2/200-BL

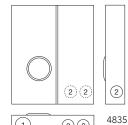












2,2

320 Amps | 4 Terminals | Meter Mains | Lever Bypass | Ringless | OH/UG

Catalan Numbar	Hub	Connectors	Breaker	Branch	Din	nensio	ns		Kn	ockoı	ıts	
Catalog Number	dun	CU/AL - Line	Amps	Circuits	D"	W"	Н"	1	2	3	4	5
U4031-O-2/200	_	3⁄8" x 16 Studs	200	N/A	53/4	25	30	4	4	1/4,1/2		-
U5059-X-K3L	C.P.	(1) #4-600 or (2) 1/0-250	Provision	N/A	47/8	15	42	3	1/4,1/2	1/4	_	_
U5059-X-2/200-K3L	C.P.	(1) #4-600 or (2) 1/0-250	200	N/A	47/8	15	42	3	1/4,1/2	1/4		_
U5890-X-2/200-BL*	C.P.	3⁄8" x 16 Studs	200	N/A	6	241/2	35	4	21/2	1/4	_	-
U5890-X-2/200-BLG	C.P.	3⁄8" x 16 Studs	200	N/A	6	241/2	35	4	21/2	1/4		_
U5891-X-2/200-MLK-BL*	C.P.	3⁄8" x 16 Studs	200	12	6	291/2	35	4	21/2	1	1/2,3/4	1/4
U4835-X-2/200-BL	C.P.	3/8" x 16 Studs	200	N/A	53/4	247/8	30	4	3	1/2	_	

#### **Notes**

- AIC rating: 22K AIC standard.
- Breakers: For U5059 main breakers, order UQFPH-100, -150, or -200. For replacement main breaker in U4835 order Milbank UQFBH series
- -MLK: Main Lug feed-through kit K3701 factory-installed.
- Fifth terminal: For field mounted fifth terminal order catalog number K3865.
- Connectors: Supplied with %" x 16 hex head nuts with Belleville washers. For connector kits, order as extra K1540 (single 600 kcmil). For twin lug connectors, order as extra K1350 (twin 350 kcmil). The extra studs on line side is a wire stop.
- Product numbers with BLG are used in AEP service areas (Suffix -BLG is barrel lock with gaurd.)
- For replacement main breaker in U5890 order Siemens QN series QN2200H.
- For replacement main breaker in U5891, order QN2200H (for left breaker) and a QN2200RH (for right breaker).
- \* Barrel lock (suffix -BL)

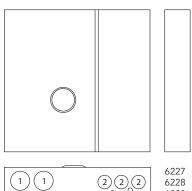




# 400 Amps | 4-7 Terminals | Ringless







6229 6230



U6230-X-400-K7

#### 400 Amps Meter Main | 4-5 Terminals | Lever Bypass | 1Ø3W | OH/UG | 240V

Catalan Namakan	Terminals	11.4	Connectors CU/AL	Di	mensio	ns		Knoc	ckouts		
Catalog Number	ierminais	Hub	Line	D"	W"	Н″	1	2	3	4	
U6227-X-400-K3L	4	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6228-X-400-K3L	4	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6227-X-400-K3L-5T6	5	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6227-X-400-K3L-5T9	5	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6227-X-400-K3L-BLG	5	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6228-X-400-K3L-5T6	5	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6228-X-400-K3L-5T9	5	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	

#### **Notes**

• Side buss Unit: U6228

AIC Rating: 22K AIC at 240V

\*300 Amps breaker: Can be installed from the factory (upon request).

#### 400 Amps Meter Main | 7 Terminals | 3Ø4W | OH/UG | 480V | Lever Bypass

Catalan Number	Hub	Connectors CU/AL	Di	mensio	ns	Knockouts				
Catalog Number	пир	Line	D"	W"	Н"	1	2	3	4	
U6229-X-400-K7L	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6229-X-400-K7L-BLG	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	
U6230-X-400-K7L	C.P.	#4-600kcmil or (2) 1/0 - 250	6	361/4	34	4	21/2	1/2	1/4	

#### **Specifications**

• Side buss units: U6230

AIC rating: 22K AIC at 240V; and 10K AIC at 480V.

• 300 Amps breaker: Can be installed from the factory (upon request).

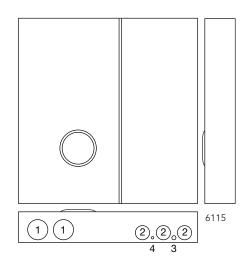




Meter Mains 19

# 400 Amps | 7 Terminals | Ringless





U6115-X-2/200-K7L

400 Amps Meter Main with Breakers | 7 Terminals | 3Ø4W | Ringless | 480V

Catalog Number	Hub	Connectors CU/AL	E	Dimensio	ns	Knockouts					
Catalog Number	пир	Line	D"	W"	Н"	1	2	3	4		
U6115-X-2/200-K7L	C.P.	#4-600kcmil or (2) 1/0 - 250	7	341/4	34	1/2, 3/4	1/2, 3/4	1/2, 3/4	1/2, 3/4		
U6115-X-2/200-K7L-BL	C.P.	#4-600kcmil or (2) 1/0 - 250	7	341/4	34	1/2, 3/4	1/2, 3/4	1/2, 3/4	1/2, 3/4		
U6115-X-2/200-K7L-BLG	C.P.	#4-600kcmil or (2) 1/0 - 250	7	341/4	34	1/2, 3/4	1/2, 3/4	1/2, 3/4	1/2, 3/4		

#### **Specifications**

• **U6115-X-2/200-K7L** comes with (2) 200A 3Ø breakers





# **Cold Sequence Meter Mains**

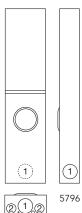
200-400 Amps | 4-7 Terminals | Ringless



U5767-X-200-CB

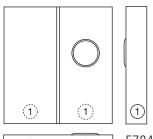


U5787-O-200-CB

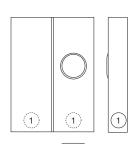




5764 5767 5765



2,1,2,1,2



200 Amps Circuit Breaker Disconnect Ahead Of Meter Socket | Lever Bypass

Catalan Numban	Tamainala	Camilaa	Hub	Connectors	Phase	Dim	ns	Knockouts				
Catalog Number	Terminals	Service	пив	CU/AL - Load	Phase	D"	W"	H"	1	2	3	4
U5764-X-200-CB	4	OH/UG	C.P.	#6-350	1Ø3W	4 <sup>27</sup> / <sub>32</sub>	13	43	4	21/2	1/4	_
U5784-O-200-CB	4	UG	Blank	#6-350	1Ø3W or 3Ø3W	4 <sup>27</sup> / <sub>32</sub>	26	28	4	21/2	1/4	_
U5765-X-200-CB	5	OH/UG	C.P.	#6-350	1Ø3W or 3Ø3W	4 <sup>27</sup> / <sub>32</sub>	13	43	4	21/2	1	1/2,3/4
U5767-X-200-CB	7	OH/UG	C.P.	#6-350	3Ø4W	4 <sup>27</sup> / <sub>32</sub>	13	43	4	21/2	1	1/2,3/4
U5787-O-200-CB	7	UG	Blank	#6-350	3Ø4W	6	26	28	4	21/2	1	1/2,3/4

#### 400 Amps (320 Amps Continuous) Circuit Breaker Disconnect Ahead Of Meter Socket | Lever Bypass

Catalog Number	Terminals	Service	Hub	Connectors	Phase	Dim	ns	Knockouts				
Catalog Number	Terminais	Service	пир	CU/AL - Load	Filase	D"	W"	H"	1	2	3	4
U5797-O-400-CB	4	UG	Blank	3/0-500	1Ø3W or 3Ø3W	6	26	36	4	21/2	1	1/2,3/4
U5796-X-400-CB	7	OH/UG	C.P.	3/0-500	3Ø4W	6	13	56	4	2½	1/4	_
U5799-O-400-CB	7	UG	Blank	3/0-500	3Ø4W	6	26	36	4	2½	1	1/2,3/4

#### **Notes**

• Hubs: For proper hub selection, refer to the hub suffix chart on the accessories page.

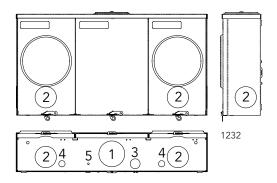




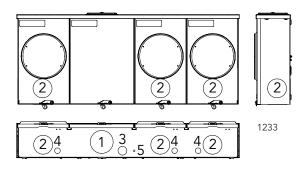
### **Multi-Position Sockets**

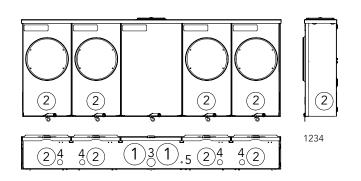
150 Amps | 4 Terminals | Ringless | 300V





U1232-RRL-KK-K1





150 Amps per Position | 4 Terminals | Multi-Position | Ringless | Horn Bypass

Catalog Number F	Davitions	ositions Service	Service Hub		Connectors CU/AL		Dimensions			Knockouts			
	Positions		пир	Line	Load	D"	W"	Н"	1	2	3	4	5
U1232-RRL-KK-K1	2	OH/UG	H.O.	#6-350	#6-350	51/8	261/2	14	3	21/2	1	1/2	1/4
U1233-RRL-KK-K1	3	OH/UG	H.O.	#6-350	#6-350	51/8	34¾	14	3	21/2	1	1/2	1/4
U1234-RXL-KK-K1	4	OH/UG	C.P.	#6-350	#6-350	51/8	427/8	16	3	21/2	1	1/2	1/4

#### **Notes**

- Hubs: For proper hub selection, refer to the hub suffix chart on the accessories page. For the **U1254-6** two hub openings are supplied and the extra opening is closed with a closing plate as standard.
- Fifth terminal: For field mounted fifth terminal, order catalog number K5T (9 o'clock position).





### **Multi-Position Sockets**

200 Amps | 4 Terminals | Ringless | 300V



U1252-RRL-KK-K1-SLVG

#### 200 Amps per Position | 4 Terminals | Multi-Position | Ringless | Horn Bypass

Catalan Numban	Desitions	Service	Hub	Connecto	ors CU/AL		Dimensior	ıs
Catalog Number	Positions		пир	Line	Load	D"	W"	Н"
U1252-RRL-KK-K1-SLVG	2	OH/UG	H.O.	#6-350	#6-350	51/8	261/2	14
U1252-RRL-KK-K1-BLG-SLVG	2	OH/UG	H.O.	#6-350	#6-350	51/8	261/2	14
U1253-RRL-KK-K1-SLVG	3	OH/UG	H.O.	#6-350	#6-350	51/8	34¾	14
U1253-RRL-KK-K1-BLG-SLVG	3	OH/UG	H.O.	#6-350	#6-350	51/8	343/4	14
U1254-RXL-KK-K1-SLVG	4	OH/UG	C.P.	#6-350	#6-350	51/8	427/8	16
U1254-RXL-KK-K1-BLG-SLVG	4	OH/UG	H.O.	#6-350	#6-350	51/8	427/8	16
U1255-RXL-KK-K1-SLVG	5	OH/UG	C.P.	#6-350	#6-350	51/8	54½	16
U1255-RXL-KK-K1-BLG-SLVG	5	OH/UG	H.O.	#6-350	#6-350	51/8	541/2	16
U1256-RXL-KK-K1-SLVG	6	OH/UG	C.P.	#6-350	#6-350	51/8	631/16	18
U1256-RXL-KK-K1-BLG-SLVG	6	OH/UG	H.O.	#6-350	#6-350	51/8	631/16	18

#### **Notes**

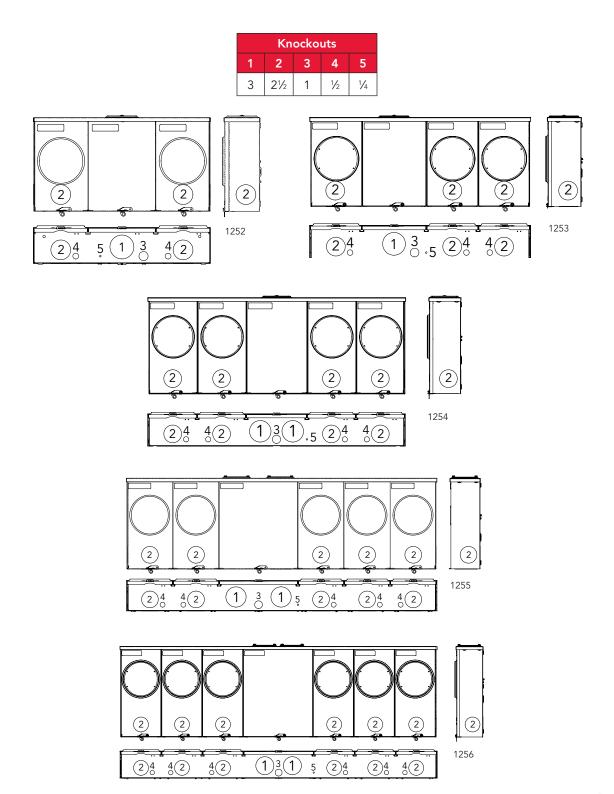
- Hubs: For proper hub selection, refer to the hub suffix chart on the accessories page. For the U1254-6 two hub openings are supplied and the extra opening is closed with a closing plate as standard.
- Fifth terminal: For field mounted fifth terminal, order catalog number K5T (9 o'clock position).
- Product numbers with BLG are used in AEP service areas.





### **Multi-Position Sockets**

Knockout information







# Lever Bypass Multi-Position Sockets

200 Amps | 5 Terminals | Ringless | 600V

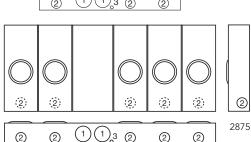




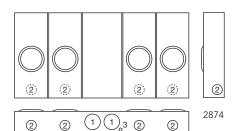
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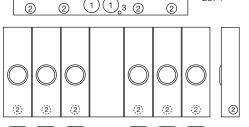
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② (1)(1)<sub>3</sub> ② ② 2873



② ① ① ② 2872





② ② ② ① ①<sub>3</sub> ② ② ② 2876

200 Amps per Position | 5 Terminals | Lever Bypass | Multi-Position | Ringless

Catalog Number	Positions	Service	Hub	Connectors	CU/AL	D	Dimensions		Knockouts		
Catalog Williber 1 0s	Positions		пир	Line	Load	D"	W"	Н"	1	2	3
U2872-XT	2	OH/UG	(2) C.P.	3⁄8" x 16 Studs	#6-350	6	321/8	251/4	4	21/2	1/4,1/2
U2873-XT	3	OH/UG	(2) C.P.	3⁄8" x 16 Studs	#6-350	6	423/16	251/4	4	21/2	1/4,1/2
U2874-XT	4	OH/UG	(2) C.P.	3⁄8" x 16 Studs	#6-350	6	521/4	251/4	4	21/2	1/4,1/2
U2875-XT	5	OH/UG	(2) C.P.	3/8" x 16 Studs	#6-350	6	<b>62</b> <sup>5</sup> ⁄ <sub>16</sub>	251/4	4	21/2	1/4,1/2
U2876-XT	6	OH/UG	(2) C.P.	3/8" x 16 Studs	#6-350	6	723/8	311/4	4	21/2	1/4,1/2

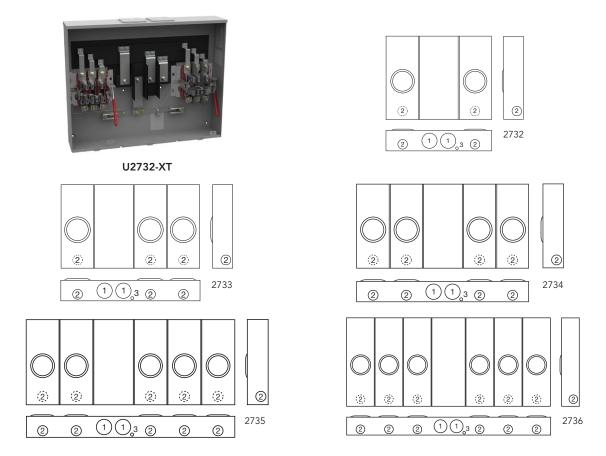
#### **Notes**

- Hubs: Units supplied with two closing plates. To order additional hubs, refer to the hub suffix chart on the accessories page.
- Connector Kits: For line side connector kits, order as extra K1539 (350 kcmil), K1540 (600 kcmil), twin K1350 (350 kcmil), twin K1541 (600 kcmil). Line connectors can be reversed to change from "OH" to "UG" service. For line side connector lug kits, order as extra from chart on the accessories page.
- Bypass: The lever operates bypass device and supplies clamping action to meter spades.





200 Amps | 7 Terminals | Ringless | 600V | 3-Phase



200 Amps per Position | 7 Terminals | Multi-Position | Lever Bypass | Ringless

Catalan Number	Decitions	Service	Hub	Connectors (	CU/AL		Dimensi	ons	K	nocko	uts
Catalog Number	Positions		Hub	Line	Load	D"	W"	Н"	1	2	3
U2732-XT	2	OH/UG	(2) C.P.	³⁄8" x 16 Studs	#6-350	6	321/8	251/4	4	21/2	1/4,1/2
U2733-XT	3	OH/UG	(2) C.P.	³⁄8" x 16 Studs	#6-350	6	423/16	251/4	4	21/2	1/4,1/2
U2734-XT	4	OH/UG	(2) C.P.	³⁄8" x 16 Studs	#6-350	6	521/4	251/4	4	21/2	1/4,1/2
U2735-XT	5	OH/UG	(2) C.P.	³⁄8" x 16 Studs	#6-350	6	625/16	251/4	4	21/2	1/4,1/2
U2736-XT	6	OH/UG	(2) C.P.	³⁄8" x 16 Studs	#6-350	6	723/8	311/4	4	21/2	1/4,1/2

#### **Notes**

- Hubs: Units supplied with two closing plates. To order additional hubs, refer to the hub suffix chart on the accessories page.
- Connector Kits: For line side connector kits, order as extra K3082 (350 kcmil), K3441 (600 kcmil), twin K3442 (350 kcmil), twin K3083 (600 kcmil). Line connectors can be reversed to change from "OH" to "UG" service.
- Bypass: The lever operates bypass device and supplies clamping action to meter spades.





125-200 Amps Per Position | 4 Terminals | Ringless | 120/240V | 10K

AIC



(Order circuit breakers separately)



U2866-X

#### 125 Amps per Position | Multi-Position Sockets | 10K AIC | Ringless

Catalan Numban	Amps Per	Positions	Main Bus Bating	Line Composton Sine	Dimensions				
Catalog Number	Position	Positions	Main Bus Rating	Line Connector Size	D"	W"	H"		
U2852-X	125	2	200 Amp	3/8" x 16 Studs*	513/16	18	25		
U2853-X	125	3	200 Amp	³⁄8" x 16 Studs*	5 <sup>13</sup> / <sub>16</sub>	18	37		
U2854-X	125	4	400 Amp	3/8" x 16 Studs*	47/8	31	25		
U2855-X	125	5	400 Amp	3/8" x 16 Studs*	47/8	31	37		
U2856-X	125	6	400 Amp	³⁄8" x 16 Studs*	47/8	31	37		

#### 200 Amps per Position | Multi-Position Sockets | 10K AIC | Ringless

Catalan Numban	Amps Per	Positions	Main Bus Rating	Line Connector Size	Dimensions				
Catalog Number	Position	Positions	Main bus Rating	Line Connector Size	D"	W"	H"		
U2862-X	200	2	250 Amp	¾" x 16 Studs*	513/16	21	29		
U2863-X	200	3	300 Amp	¾" x 16 Studs*	513/16	21	41		
U2864-X	200	4	400 Amp	¾" x 16 Studs*	47/8	36	29		
U2865-X	200	5	600 Amp	¾" x 16 Studs*	47/8	36	41		
U2866-X	200	6	600 Amp	¾" x 16 Studs*	47/8	36	41		

#### **Connector Kits**

Size	Suffix	Kit Number	<b>Compatible With</b>	Wire Range
Cinala	-K1	K1539	U2852-56, U2862-66	#6-350
Single	-K3	K1540	U2854-56, U2864-66	#4-600
Turks	-K2	K1350	U2854-56, U2863-66	#6-350
Twin	-K4	K1541	U2864-66	#2-600

#### **Breaker Chart**

Manufacturer	150-200 Amps	125 Amps or Less
Milbank	WBJ	_
Cutler-Hammer	BR, BJ	Quicklag P, BR, HQP
Siemens	QNR	QP
Siemens/Murray	MD	MP
GE.	Q Line	Q Line
Square D	_	Homeline

#### **Notes**

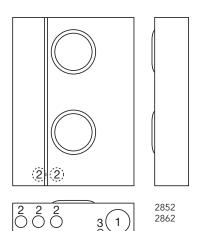
- Connectors: For line wire connector kits, order separately.
- Fifth Terminal: For field mounted fifth terminal, order catalog number K2381. Order one per meter position.
- Breakers: Units have provision for one double pole main per meter position. Breakers not included.
- Short Circuit Current Rating: 10K AIC. However, this rating is limited to the lowest interrupting capacity of any circuit breaker installed. Watthour meter not included in short circuit current rating.
- Knockouts: See next page for drawings and knockout configurations.
- \* To add lugs, see the Connector Kits chart.





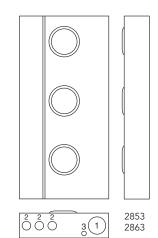
Knockout Information

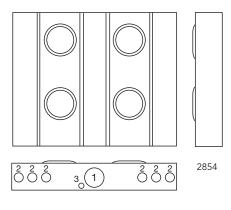
Catalog	Knockouts						
Number	1	2	3				
U2852-X	3	11/4	1/4,1/2				
U2853-X	3	11/4	1/4,1/2				
U2854-X	3	11/4	1/4,1/2				
U2855-X	3	11/4	1/4,1/2				
U2856-X	3	11/4	1/4,1/2				
U2862-X	3	2	1/4,1/2				
U2863-X	3	2	1/4,1/2				
U2864-X	3	2	1/4,1/2				
U2865-X	3	2	1/4,1/2				
U2866-X	3	2	1/4,1/2				

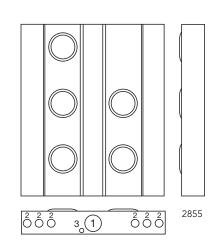


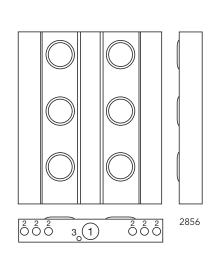
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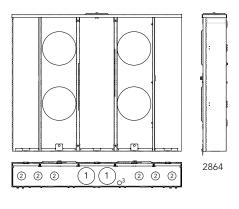
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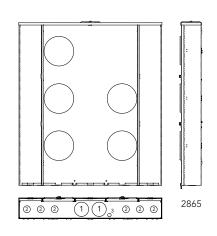


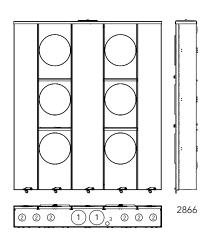
















125-200 Amps | 4 Terminals | Ringless | 120/240V | 22K AIC





Rating kAIC	Circuit Breaker 125A
10	SIEMENS: QP CUTLER-HAMMER: BR, HQP, QHP,QPGF SQUARE D: HOMELINE. GE.: (50AMP.MAX.) THQL, THQL-GF
22	SIEMENS: QPH
	150-200 AMPS
10	SIEMENS: QN
22	SIEMENS: QNH

U5882-X-KK-BLG

U5884-X-KK-BLG

#### 125 Amps per Position | 4 Terminals | Multi-Position Meter Main | Ringless | OH/UG

Catalog Number Amps	A	Docitions	Hub	Connectors CU/AL	Demoses	D	Weight		
Catalog Number	Amps	Positions	пив	Line	Bypass	D"	W"	H"	(lbs.)
U5902-X-KK-BLG	125	2	C.P.	¾" x 16 Studs	Horn	51/8	261/2	30	58
U5903-X-KK-BLG	125	3	C.P.	¾" x 16 Studs	Horn	51/8	345/9	30	88
U5904-X-KK-BLG	125	4	C.P.	3%" x 16 Studs	Horn	51/8	421/5	30	107
U5905-X-KK-BLG	125	5	C.P.	¾" x 16 Studs	Horn	51/8	511/20	30	128
U5906-X-KK-BLG	125	6	C.P.	¾" x 16 Studs	Horn	51/8	593/10	30	146

#### 200 Amps per Position | 4 Terminals | Multi Position Meter Main | Ringless | OH/UG

Catalog Number Amps	A	Desitions	U.J.	Connectors CU/AL	Dimens	D	Weight		
Catalog Number	Amps	Positions	Hub	Line	Bypass	D"	W"	H"	(lbs.)
U5882-X-KK-BLG	200	2	C.P.	3%" x 16 Studs	Horn	51/8	261/2	30	58
U5883-X-KK-BLG	200	3	C.P.	¾" x 16 Studs	Horn	51/8	34%	30	88
U5884-X-KK-BLG	200	4	C.P.	¾" x 16 Studs	Horn	51/8	421/5	30	107
U5885-X-KK-BLG	200	5	C.P.	%" x 16 Studs	Horn	51/8	511/20	30	128
U5886-X-KK-BLG	200	6	C.P.	¾" x 16 Studs	Horn	51/8	593/10	30	146

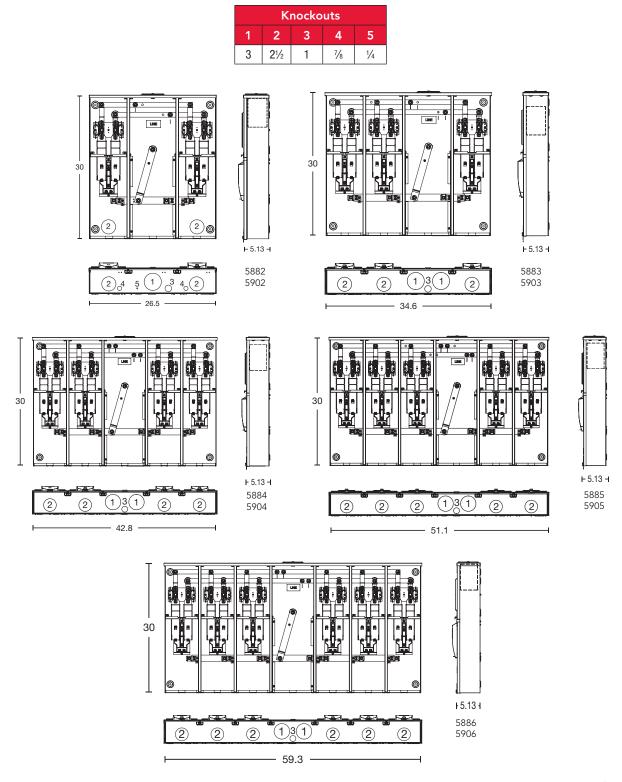
#### **Notes**

- Knockouts: See drawings on the next page.
- Optional: Factory-installed breakers are available consult factory.
- AIC Rating: All models are rated 22K AIC when used with approved breakers rated at 22K.
- Hub: Units supplied with one (1) closing plate. Order hubs separately, see accessory page.
- Fifth Terminal: For field-installed fifth terminal, order K5T.
- Connectors: Socket is supplied with ¾" 16 hex head nuts with Belleville washers. For connector lug kits, order as extra from chart on the accessories page. Separate lug kits are required for line and load.





Dimensional Information



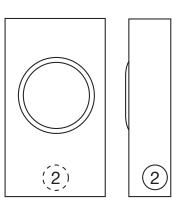




### **Transformer Rated**

# 20 Amps | Plunger Bypass | Ringless and Ring Type





3(1)(3)

1300 7235 7237

UC7235-RL

#### One-piece Cover | Overhead/Underground | Ringless

Catalog Number	Terminals	Hub	Meter Form	Connectors CU	Dim	nensio	ns		Knoc	kouts	
Catalog Number	Terminais	пир	Weter Form	Connectors CO	D"	W"	H"	1	2	3	4
UC1299-RL	6	H.O.	4S	#14-#4 MAX	35/16	8	14	2	11/2	11/4	1/4
UC7235-RL	8	H.O.	5S	#14-#4 MAX	35/16	8	14	2	11/2	11/4	1/4
UC7237-XL	13	C.P.	6, 8, 9	#14-#4 MAX	35/16	8	14	2	11/2	11/4	1/4

#### One-piece Cover | Overhead/Underground | Ring Type

Catalog Number	Terminals	Hub	Meter Form	Connectors CU	Dim	ensio	าร		Knoc	kouts	
Catalog Number	Terminais	Hub	Weter Form	Connectors CO	D"	W"	Н"	1	2	3	4
UC1300-RL	6	H.O.	45	#14-#4 MAX	3 <sup>5</sup> /16	8	14	2	1 <sup>1</sup> /2	1 <sup>1</sup> /4	1/4

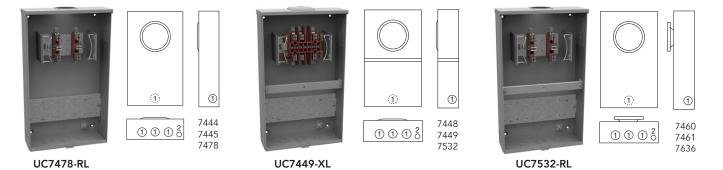
#### **Notes**

• Hubs: For proper hub selection see the hub suffix chart on the accessory page.





### 20 Amps | Test Switch Provision



#### One-piece Cover | Ringless | Overhead/Underground | With Test Switch Provision

Catalan Number	Terminals	Hub	Meter	Campantana CII	Dumana	Dir	mensior	าร	Knoc	kouts
Catalog Number	ierminais	пив	Form	Connectors CU	Bypass	D"	W"	H"	1	2
UC7478-RL	6	H.O.	4S	#14 - #4 Max	None	41/8	12	20	11/4	1/4,1/2
UC7444-RL	8	H.O.	5S	#14 - #4 Max	None	41/8	12	20	11/4	1/4,1/2
UC7445-RL	13	H.O.	6, 8, 9	#14 - #4 Max	None	41//8	12	20	11/4	1/4,1/2
UC7445-RL-641*	13	H.O.	6, 8, 9	#14 - #4 Max	None	41/8	12	20	11/4	1/4,1/2
UC7445-WL	13	1 in	6, 8, 9	#14 - #4 Max	None	41/8	12	20	11/4	1/4,1/2

<sup>\*</sup>Pre-wired per Lebanon specifications

#### Two-piece Cover | Ringless | Overhead/Underground | With Test Switch Provision

Ringless	Ring Type	Terminals	Meter	Hub	Connectors	Dii	mensio	ns	Knoc	kouts
Catalog Number	Catalog Number	ierminais	Form	пив	CU	D"	W"	H"	1	2
UC7532-RL	UC7636-RL	6	4S	H.O.	#14 - #4 Max	41/8	12	20	11/4	1/4,1/2
UC7448-RL	UC7460-RL	8	5S	H.O.	#14 - #4 Max	41/8	12	20	11/4	1/4,1/2
UC7449-RL	UC7461-RL	13	6, 8, 9	H.O.	#14 - #4 Max	41/8	12	20	11/4	1/4,1/2

#### **Notes**

- Hubs: For proper hub selection see the hub suffix chart on the accessory page.
- Sealing rings: Ring type units are supplied with one MR-2, snap type, sealing ring.
- **Prewiring:** Factory prewiring available.
- Connectors: Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "S" (i.e, UC7445-XL becomes S7445-XL). The "S" prefix also designates non-U/L.

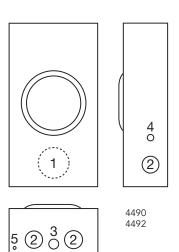




# Lever Bypass Transformer Rated

80 Amps | 6-13 Terminals





U4490-XL

80 Amps | Ringless | Transformer-Rated | Lever Bypass | No Test Switch Provision

Catalog	Terminals	Camilaa	Hub	Meter Form	Connectors	D	imensi	ons		Kı	nockout	s	
Number	ierminais	Service	пир	Weter Form	CU	D"	W"	Н"	1	2	3	4	5
U4490-XL	6	OH/UG	C.P.	4S	#14 - #4 Max	47/8	10	18½	3	11/2	1/2,3/4	3/4	1/4
U4492-XL	8	OH/UG	C.P.	5S	#14 - #4 Max	47/8	10	18½	3	11/2	1/2,3/4	3/4	1/4
U4493-XL	13	OH/UG	C.P.	6, 8, 9	#14 - #4 Max	47/8	10	18½	3	11/2	1/2,3/4	3/4	1/4

#### **Notes**

- Hubs: For proper hub selection see the hub suffix chart on the accessory page.
- Bypass: Lever operates current bypass device and also supplies clamping action on current meter spades.
- Connectors: Units are supplied with mechanical type connectors (#4 max).



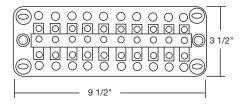


# **Test Switches**

4-, 7- and 10-Pole



(O)	000	0 0 0		
		ŎŎŌ		
	0 0			3 1/2"
			,	
		0 0 0		
	—— 7 1/2	2" ———	=	



	Key
Р	Potential Switch
C+	Line side current switch with short circuit assembly
С	Load side current switch with test jack assembly
N	Neutral bar (no switch)
Pn	Neutral Potential Switch
Χ	Unused Position on base
	Insulating barrier, isolates both sides of switch

Catalog Number			4	-Pol	е		
TS04-0101	X	Р	Pn	Х	C+	С	X
TS04-0102	X	Р	C+	С	X	Pn	X
TS04-0103	X	Р	Pn	Х	С	C+	X
TS04-0104	X	C+	С	X	Р	Pn	X

#### **Notes**

 4-pole switches are also available on 10-pole bases. Contact Milbank for appropriate catalog numbers.

Catalog Number			7	-Pol	е		
TS07-0105	Р	Р	Pn	C+	С	C+	С
TS07-0106	Р	C+	С	Р	C+	С	Pn
TS07-0107	Р	Р	Pn	С	C+	С	C+
TS07-0108	C+	С	C+	С	Р	Р	Pn

#### **Notes**

• 4-pole switches are also available on 10-pole bases. Contact Milbank for appropriate catalog numbers.

Catalog Number	-	7-P	ole	on	a '	10-	Pol	e B	ase	<b>;</b>
TS07-0049	Р	Χ	Р	Χ	Pn	Х	C+	С	С	C+
TS07-0018	Р	Χ	Р	Χ	Pn	Χ	C+	С	C+	С
TS07-0059	Χ	Р	C+	С	Р	С	C+	Pn	Χ	Х
TS07-0022	Р	Χ	Р	Χ	Pn	Χ	С	C+	С	C+

Catalog Number				1	0-F	Pol	е			
TS10-0109	Р	Р	Р	Pn	C+	С	C+	С	C+	С
TS10-0110	LP	C+	С	Р	C+	С	Р	C+	С	Pn
TS10-0111	Р	Р	Р	Pn	С	C+	С	C+	С	C+
TS10-0112	C+	С	C+	С	C+	С	Р	Р	Р	Pn





ALIALIATIS

# **Test Switch Worksheet**

### Electronic Version Available at Milbankworks.com

C. O'Selection	H War	Email:								
A Alabara		Phone:	·							
	Handle	Cal	V				TEST SW	ITCH BA	ASE	
	Handle			611			The base i	s molded	from a	high strength
K Black P	<u> </u>	Y	Yellow	GN	Green	-				ioset polyeste ame-retardan
R Red BL		W	White	BKS	Black Str	ipe				ualities. Bases
R Brown GF	R Gray	О	Orange	WS	White St					zes following
le Position Char							mounting	classificat	tions.	
			_		,	_			•	4.0
1 2	3	4	5		6	7	8		9	10
osial Foatures										
ecial Features				_	1 _		1 _			10
Feature	1	2	3	4	5	6	7	8	9	10
45° Angle Stops										
					1					
	2)									
Bussing	5)									
Colored Handles										
Bussing Colored Handles gineering Informa	ition:		Custom Po					sed to dia	gram you	ur own
Bussing Colored Handles gineering Informa	ition:		Custom Po	le Arrar	ngements: Be sure to	The key	may be us	and whet	her all C	C+ line
Bussing Colored Handles gineering Informa  Key Potentia	ition:		Custom Po pole arrang side, curren catalog num	le Arrar gement. t switch	ngements: Be sure to 'shunt circu	The key o specify uit assem	may be us base size blies are to nected in lir	and whet be bussed ne-load pa	her all C d togethe	C+ line er. The
Bussing Colored Handles gineering Informa	I Switch	th	Custom Po pole arrang side, curren catalog num bussed is re	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to 'shunt circu own above different ca	The key o specify uit assem are coni	may be us base size blies are to nected in lir mbers will a	and whet be bussed ne-load pa pply.	her all C d togethe irs; there	C+ line er. The fore, if
Bussing  Colored Handles  gineering Informa  Key  Potentia Line side curre	I Switch ent switch wit assembly urrent switch	th	Custom Po pole arrang side, curren catalog num	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to 'shunt circu own above different ca	The key or specify uit assem are constalog numeral constalog numer	may be us base size blies are to nected in lir mbers will a	and whet be bussed ne-load pa pply. (only ava	ther all C d togethe irs; there ilable for	C+ line er. The
Bussing  Colored Handles  gineering Information  Potential  Line side curre short circuit  Load side curve with test jack  Neutral bar	I Switch ent switch with assembly arrent switch k assembly (no switch)	th	Custom Po pole arrang side, curren catalog num bussed is re	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to 'shunt circu own above different ca	The key or specify uit assemulated are constalog numerated.  Yes	r may be us base size blies are to nected in lir mbers will a	and whet be bussed ne-load pa pply. (only ava	ther all C d togethe irs; there ilable for	C+ line er. The fore, if
Bussing  Colored Handles  gineering Information  Potentia  Line side curre short circuit  Load side current with test jac  Neutral bar	I Switch ent switch with assembly arrent switch k assembly (no switch)	th	Custom Po pole arrang side, curren catalog num bussed is re	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to /shunt circu own above different ca	The key or specify uit assem that are constalog numbers Swite Yes No	may be us base size blies are to nected in lir mbers will a cch Cover	and whet be bussed ne-load pa pply. (only ava	ther all C d togethe irs; there ilable for	C+ line er. The fore, if
Bussing  Colored Handles  gineering Information  Potential  Hold Side curre short circuit  Load side curre with test jack  Neutral bar  Neutral Pote  Unused Posi	I Switch ent switch wirt assembly (no switch) ential Switch tion on base	th	Custom Po pole arrang side, curren catalog num bussed is re	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to /shunt circu own above different ca	The key or specify uit assemulated are constalog numerated.  Yes	may be us base size blies are to nected in lir mbers will a cch Cover	and whet be bussed ne-load pa pply. (only ava	ther all C d togethe irs; there ilable for	C+ line er. The fore, if
Bussing  Colored Handles  gineering Informa  Yellow Potentia  Line side curre short circuit Load side current with test jack Neutral bar Neutral Pote	I Switch ent switch with assembly (no switch) ential Switch tion on base	th ::	Custom Po pole arrang side, curren catalog num bussed is re  Number 4 7 10	le Arrar gement. t switch nbers sh quired,	ngements: Be sure to s	The key or specify uit assem that are constalog numbers Swite Yes No	may be us base size blies are to nected in lir mbers will a cch Cover	and whet be bussed ne-load pa pply. (only ava	ther all C d togethe irs; there ilable for	C+ line er. The fore, if

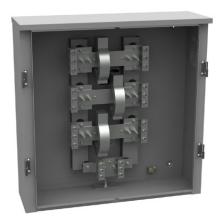
**Customer Name:** 





Panel Enclosure | Type 3R





U5990-O

#### Outdoor Transformer Cabinets | NEMA 3R

Catalog Number	Dimensions			Gauge of	Board Size		CT Mounting	# - f D		
	D"	W"	Н"	Steel	W"	Н"	Provisions	# of Doors	Latching Type	
U4408-O	14	40	40	12	40	40	Wood	2	3 point latch	
U4410-O	12	32	24	14	28	20	Wood	1	Flip latch	
S4019-O	10	32	24	14	24	16	Wood	2	3 point latch	
S4020-O	10	36	32	14	28	24	Wood	2	3 point latch	
S4399-O	10	24	18	14	16	10	Wood	2	3 point latch	
S4400-O	10	44	30	14	36	22	Wood	2	3 point latch	
304410-CTC3R	10	44	30	12	_	_	None	2	Hasp	
243210-CTC3R	10	32	24	14	_	_	None	2	Hasp	
363612-LC3R-SP-WB	12	36	36	14	33	33	Rails	1	Wing handle	
484812-CT3R-WB	12	48	48	14	44	44	Rails	2	3 point latch	
U5990-O	10	36	36	12	CT mounting rack included			2	3 point handle	

#### **Notes**

- Features: Supplied with solid back board when noted, three point locking handle, lift off hinges with stainless steel pins and padlock provisions.
- $\bullet$  **U5990-O:** is 300 with a 50K RMS rating, and has a wire range of #4-600 kcmil
- · Units with U Prefix are UL-listed.



# **Multi-Position Tap Box**

3-Phase | Aluminum Construction | Wall- or Pad- Mountable



#### **Features**

- Painted Aluminum Construction: Enclosure shells are constructed with lightweight aluminum, making wall-mount installations easier. Powder-coat paint finish helps prevent corrosion.
- Capable of Wall or Pad-mounting: Units feature a removable bottom, allowing an easy conversion from a wall-mount to a pad-mount.
- Smaller Footprint: The UAP6094 model has a more compact footprint compared with the leading competitor.
- Multi-port ground lugs
- Optional Penta bolt Secured Handle available (see pics below): Enclosure handle can be included with an optional penta bolt locking mechanism (see photos below) for enhanced protection.





### **Common Applications**







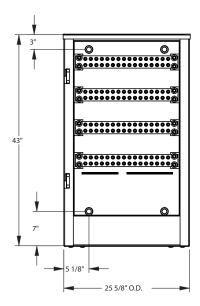
Catalan Number	Dhaaa	Position	Maximum	Maximum	Dimensions		
Catalog Number	Phase	Lugs	Wire Size	Amperage	D"	W"	Н"
UAP6094-O	3	16	500 kcmil	3000 Amps	16	255/8	43
UAP6095-O	3	22	500 kcmil	4000 Amps	16	323/8	43
UAP6096-O	3	14	750 kcmil	3300 Amps	16	25 <sup>15</sup> / <sub>16</sub>	51

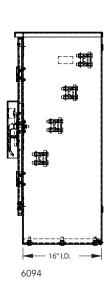
Stainless steel pad-mount spacing brackets included

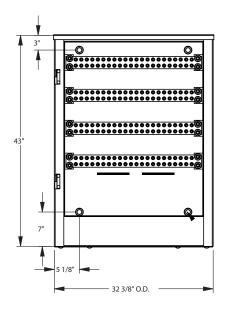


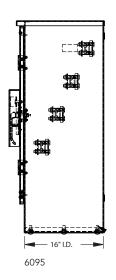
# **Multi-Position Tap Box**

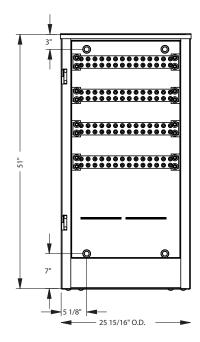
Line Drawings

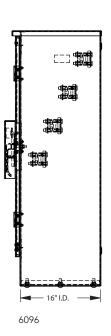










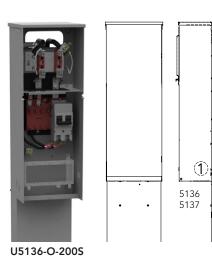




## 38

## Meter Main with Load Center Pedestal

100-200 Amps | 4 Terminals | Ringless | 120/240V





U6220-O-200-KK-10GR

#### Breaker Chart U5136 and U5137

AIC Rating	Large Frame Main Breaker	Small Frame Branch Breakers
10k	UQFP-M	SIEMENS: QP, QT CUTLER-HAMMER: QP, BD, BR; GE.: TQ, THQ, THQL SQUARE D: HOM115, HOM2100
22k	UQFPH-M	QPH

#### **Breaker Chart U6220**

AIC Rating	Amps	Siemens	Cutler- Hammer	General Electric	Square-D
10k	150-200	QNR	BR (150A only)	_	_
TUK	≤125	QP	HQP, BR	THQL, THQL-GF	Homeline
22k	150-200	QNRH	_	_	_
ZZK	≤125	QPH	_	_	_

## 100-200 Amps | 4 Terminals | Meter Main Pedestal | Ringless

Catalan Numbar	Breaker	Camilaa	Dayyanh a ada	Branch	Democra	Connecto	rs CU/AL	K	Cnockout	ts
Catalog Number	Amps	Service	Powerheads	Circuits	Bypass	Line	Load	1	2	3
U5136-O	Provision	UG	Single	4	Horn	#6-350	СВ	2	1/2,3/4	1/4
U5136-O-100S	100	UG	Single	4	Horn	#6-350	СВ	2	1/2,3/4	1/4
U5136-O-200S	200	UG	Single	4	Horn	#6-350	СВ	2	1/2,3/4	1/4
U5137-O-200S	200	UG	Double	4	Horn	#6-350	СВ	2	1/2,3/4	1/4

### 100-200 Amps | 4 Terminals | Meter Main Pedestal | Ringless

Catalog Number	Breaker	Comico	Service Powerheads C	Branch	ranch Rypass	Connecto	ors CU/AL	Knockouts		
Catalog Number	Amps	Service	rowerneads	Circuits	Bypass	Line	Load	1	2	3
U6220-O-100-KK-10GR	100	UG	Single	10	Horn	#6-350	#6-350	2	1/2,3/4	1/4
U6220-O-200-KK-10GR	200	UG	Single	8	Horn	#6-350	#6-350	2	1/2,3/4	1/4

#### **Notes**

- Parallel to series conversion: For field converting from parallel wired to series wired order K5194.
- Fifth terminal: For field-installed fifth terminal, order K5T.
- Stabilizer foot: For field-installed stabilizer foot, order K5415.
- Penta bolt locking: For field-installed pedestal fronts penta bolt locking, order K5039.
- Receptacles: Consult factory for installed receptacle assemblies.
- Short circuit current rating: 22K AIC. However, this rating is limited to the lowest interrupting capacity of any circuit breaker installed. Watthour meter not included in short circuit current rating.
- Receptacle Bridge is ordered separately on part# K5400-BRIDGE-2POS.
- · Contact factory for receptacle configurations available.
- Pedestals with -10GR suffix include a 20 Amps GFI receptacle.

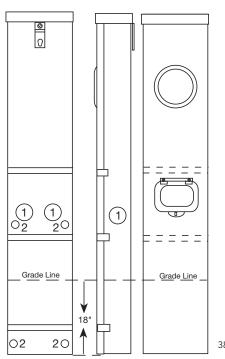




320 Amps | 4 Terminal | Ringless | 120/240V



U3849-O-2/200



3849

320 Amps | 4 Terminals | Meter Main Pedestal | Ringless | 120/240V

Catalog	C	11.4	D	Connectors	D	imensio	ns	Knockouts			
Number	Service	Hub	Bypass	Line	Load	D"	W"	Н"	1	2	3
U3849-O-2/200	UG	Blank	Lever	³⁄8"x 16 Studs	1/0-300	47/8	13	64	2	1/2,3/4	1/4

### **Notes**

- Breakers: Supplied from factory with 2 double-pole, Milbank UQFB or UQFBH (22K AIC) bolt-on circuit breakers.
- Connectors: The line wire section is supplied with 3/8"-16 studs with hex nuts and captive Bellville washers. For line side connectors, order as extra catalog numbers K1539 (single-350 kcmil), or K1540 (single-600 kcmil), or for twin K1350 (twin350 kcmil). Order one kit per unit.
- Extension kit: For extension kit, order as extra catalog number \$1848.
- Bypass: The lever operates bypass device and supplies clamping action to meter spades.
- Short circuit current rating: These units are rated 22K AIC. However, this rating is limited to the lowest interrupting capacity of any circuit breaker installed. Watthour meter not included in short circuit current rating.

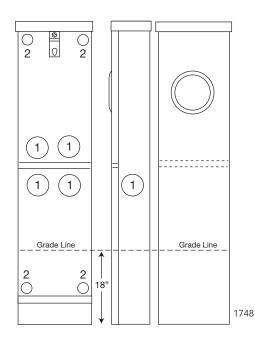


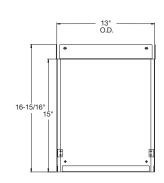


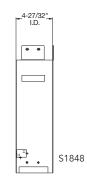
## **Meter Socket Pedestal**

320 Amps | 4 Terminals | Ringless | 120/240V









U1748-O

#### 320 Amps | Ringless | 600V

Catalog Number	Service Hub		Hub Bypass	Connector	D	imension	Knockouts			
Catalog Number	Service	Пив	bypass	Line	Load	D"	W"	Н"	1	2
U1748-O	UG	Blank	Lever	#6-350	(2)#6-350	47/8	13	64	21/2	5/16

## **Notes**

- Connectors: On the U1748-O the connectors K1539 (single-350 kcmil) are factory-installed on the line side. Load side is furnished with K1350 (twin-350 kcmil).
- Extension kit: For extension kit, order as extra catalog number \$1848.
- Bypass: The lever operates bypass device and supplies clamping action to meter spades.
- Hanging hook: Units supplied with hanger hooks for easy mounting.
- Short circuit current rating: These units are rated 22K AIC. Watthour meter not included in short circuit current rating.





# **Device Plates**

U5136 and U5137

K5935-41	K5935-10GR	K5935-11GR
K5935-36GR	K5935-54	K5935-2/1450
		1



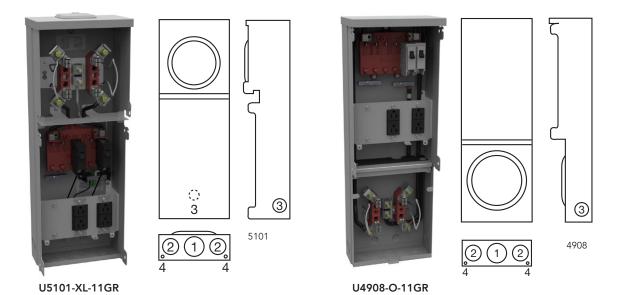
K5400-BRIDGE-2POS





# **Temporary Power Units**

125 Amps | 4 Terminals | Ringless | 120/240V



125 Amps | 4 Terminals | Temporary Power Units | Ringless | 1Ø3W

Catalog Number	Comico	Service	Hub	Connecto	ors CU/AL	Dir	mensio	ns		Kno	ockouts	
Catalog Number	Service	пир	Line	Load	D"	W"	H"	1	2	3	4	
U5101-XL-11GR	ОН	C.P.	#6-350	#6-350	53/16	87/8	25	2	11/2	11/4	1/4	
U4908-O-11GR	UG	Blank	#6-2/0	#6-2/0	53/16	9	25 <sup>15</sup> / <sub>16</sub>	2	11/2	11/4	1/4	

### **Notes**

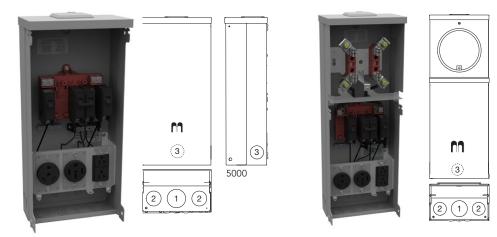
- Interior: Six circuit plated copper interior accepts standard plug-in type circuit breakers.
- Receptacle bridge: Three position self-grounded receptacle bridge accepts most standard NEMA receptacles with mounting plates.
- Included parts: U4908 and U5101 come supplied with 2-20 Amps single pole breakers and 2-20 Amps GFCI receptacles installed and pre-wired.





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Millennium Series | Metered and Unmetered | 120/240V



U5000-XL-75 U5100-XL-75

## 125 Amps | Surface-mount Power Outlets | Ring Type

Catalog	Metered/	Receptacle	Circuit Breaker	Loop	Connectors -	Di	mensio	ons	Knockouts		
Number	Unmetered	Configuration	Configuration	Feed	Line	D"	W"	Н"	1	2	3
U5000-XL*	Unmetered	_	_	Yes	(2) 1/0-#12	51/2	91/8	191/4	2	11/2	11/4
U5000-XL-41	Unmetered	А	X	Yes	(2) 1/0-#12	51/2	91/8	191/4	2	11/2	11/4
U5000-XL-55	Unmetered	В	Y	Yes	(2) 1/0-#12	51/2	91/8	191/4	2	11/2	11/4
U5000-XL-75	Unmetered	С	Z	Yes	(2) 1/0-#12	5½	91/8	191/4	2	11/2	11/4
U5100-XL*	Metered	_	_	No	#6-250	51/2	91/8	25	2	11/2	11/4
U5100-XL-41	Metered	Α	X	No	#6-250	5½	91/8	25	2	11/2	11/4
U5100-XL-55	Metered	В	Y	No	#6-250	51/2	91/8	25	2	11/2	11/4
U5100-XL-75	Metered	С	Z	No	#6-250	51/2	91/8	25	2	11/2	11/4

<sup>\*</sup> Comes with circuit breaker bridge

## **Receptacle Configurations**

Α	В	С
(1) TT30R, (1) 5-20R GFI	(1) 14-50R, (1) 5-20R GFI	(1) 14-50R, (1) TT30R, (1) 5-20R GFI

## **Circuit Breaker Configurations**

X	Υ	Z
	B+8 8	0+0 0 0
(1) 30A, 1P, 120V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 30A, 1P, 120V (1) 20A, 1P, 120V

For easy read meter see the accessory pages for **CL200** analog or **CL200-D** digital meter.

5100

#### **NOTE**

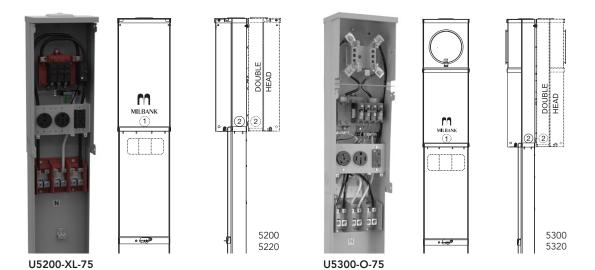
Contact factory for additional configurations not shown here.





# **Power Outlet Pedestals**

Millennium Series | Metered and Unmetered | 120/240V



125 Amps | Power Outlet Pedestals | Direct-Burial | Ring Type

				<i>7</i> I				
Catalog	Double Head	Metered/	Receptacle	Circuit Breaker	Di	mensio	ns	Knockout
Number	Catalog Number	Unmetered	Configuration	Configuration	D"	W"	Н"	1
U5200-XL*	U5220-XL	Unmetered	_	_	5%16	91/8	641/2	11/4
U5200-XL-41	U5220-XL-41	Unmetered	Α	X	5%16	91/8	641/2	11/4
U5200-XL-55	U5220-XL-55	Unmetered	В	Y	5%16	91/8	641/2	11/4
U5200-XL-75	U5220-XL-75	Unmetered	С	Z	5%16	91/8	641/2	11/4
U5300-O*	U5320-O	Metered	_	_	5%16	91/8	701/4	11/4
U5300-O-41	U5320-O-41	Metered	Α	X	5%16	91/8	701/4	11/4
U5300-O-55	U5320-O-55	Metered	В	Y	5%16	91/8	701/4	11/4
U5300-O-75	U5320-O-75	Metered	С	Z	5%16	91/8	701/4	11/4

## **Receptacle Configurations**

Α	В	С
(1) TT30R, (1) 5-20R GFI	(1) 14-50R, (1) 5-20R GFI	(1) 14-50R, (1) TT30R, (1) 5-20R GFI

### **Circuit Breaker Configurations**

Х	Υ	Z
	H	0-4 0 0
(1) 30A, 1P, 120V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 30A, 1P, 120V (1) 20A, 1P, 120V

\*Circuit Breaker Bridge included

#### **NOTE**

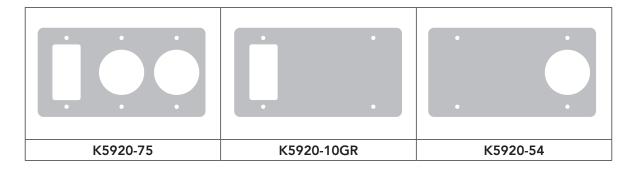
Contact factory for additional configurations not shown here.

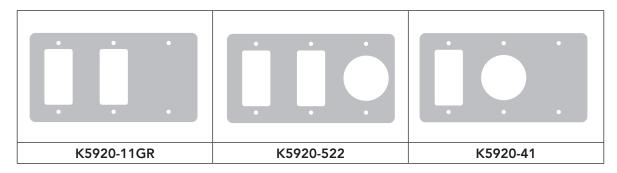
Pad-mount is available - contact factory for information.

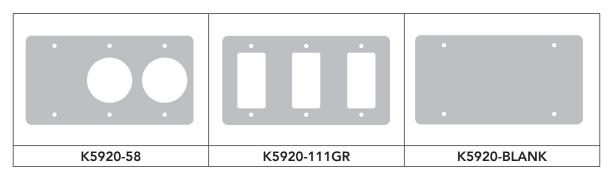


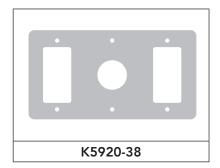


For Millennium Series Products









### **Notes**

• For application details, consult factory.





# **Lighting Accessories**

## For Millennium Series Products

### Internal LED Light Kits for Unmetered Power Outlets (U5000 and U5200)

Application	Internal light kit for unmetered power outlets	
LED Features	Includes new LED light, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order Q120 separately.  Cover on unmetered power outlet is 19½" in height.	
Ordering	Order with -LD suffix (after catalog number) for factory-installed.  Order catalog number K6212 for field-installed.	

## Internal Florescent Light Kits for Unmetered Power Outlets (U5000 and U5200)

Application	Internal light kit for unmetered power outlets	1
Fluorescent Features	Includes 5-watt fluorescent lamp socket, ballast, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order Q120 separately.  Cover on unmetered power outlet is 191/8" in height.	
Ordering	Order with -L suffix (after catalog number) for factory-installed.  Order catalog number K5411 for field-installed.	AND ROOM

#### Photoelectric Light Control Kit

	3	
Application	Photoelectric light control kit for K5411 light kits.	
Features	2.5 Amps, 120V photo electrical control wired in series with K5411 light kits.	_
Ordering	Order with -LPC suffix for factory-installed light and PE control.  Order catalog number K5413 for field-installed.	

## **WARNING!**

Always disconnect power prior to installing these devices.





# **Lighting Accessories**

## For Millennium Series Products

## Internal Light Kits for Metered Power Outlets (U5100 and U5300)

A	pplication	Internal light kit for metered power outlets
	LED Fea- tures	Includes new LED light, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order Q120 separately.  Cover on metered power outlet is 15½" in height.
	Ordering	Order with -LD suffix (after catalog number) for factory-installed.  Order catalog number K6213 for field-installed.

Application	Internal light kit for metered power outlets	
Fluorescent Features	Includes 5-watt fluorescent lamp socket, ballast, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order Q120 separately.  Cover on metered power outlet is 151/4" in height.	
Ordering	Order with -L suffix (after catalog number) for factory-installed.  Order catalog number K5412 for field-installed.	

## Photoelectric Light Control Kit

Application	Photoelectric light control kit for K5412 light kits.	
Features	2.5 Amps, 120V photo electrical control wired in series with K5412 light kits.	
Ordering	Order with -LPC suffix for factory-installed light and PE control.  Order catalog number K5413 for field-installed.	

## **WARNING!**

Always disconnect power prior to installing these devices.





# **Telecom and Pedestal Accessories**

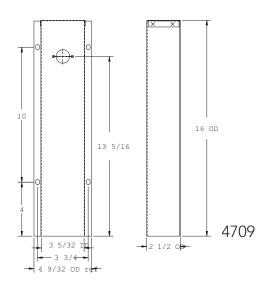
For Millennium Series Products

## Telephone and Cable TV Kit

Application	Mounts to rear of pedestal series <b>U5200</b> and <b>U5300</b> . May also be adaptable to a wooden or similar structure.	
Features	Single: 16" galvenized raceway, (1) RJ11 telephone jack and (1) Type F coaxial CATV jack.  Dual: 16" galvenized raceway, (2) RJ11 telephone jacks and (1) Type F coaxial CATV jack.  Includes mounting hardware and instructions.	
Ordering	Single line telephone and cable TV kit order <b>K4709-02</b> .	
Note	Confirm acceptability with Cable TV and Telephone provider before ordering or installing these devices.	K4709-02-3R K4709-02

#### Water Shroud with Hardware

Application	Used to cover water pipe and provide means to mount hose bib to rear of pedestal.	
Features	Includes mounting hardware and instructions.  Matches <b>K4709</b> kits when mounted side-by-side.	
Ordering	Order catalog number <b>K4709-WS</b> .	







# **Pedestal Mounting Accessories**

## For Millennium Series Products

### Field-installed Pad-mount Kit

Application	Field-installed pad-mount kit with (6) ¾" mounting holes.	
Features	Includes 1/4-20 stainless steel hardware to attach padmount base to post.  Anchor bolt kit sold separately (order catalog number <b>K5421</b> ).	
Ordering	Order catalog number <b>K5410</b> .	



### Stabilizer Foot with Hardware

Application	Stabilizes direct burial type posts in unstable soil conditions.	
Features	Includes ¼-20 hardware to attach to <b>U5200</b> and <b>U5300</b> pedestals.	
Ordering	Order catalog number <b>K5415</b> .	

### **Anchor Bolt Kit**

Application	Concrete anchor bolt kit designed to attach pad-mount base to concrete.	
Features	(4) sets of zinc-plated %-11 x 10" bolt with 2" toe. Includes nut and flat washer.	
Ordering	Order catalog number <b>K5421</b> .	7





# Metering and Receptacle Accessories

For Millennium Series Products

#### Field-installed Meter Kits

Application	Field-installed meter kit for <b>U5000</b> and <b>U5200</b> power outlets.	
Features	100 Amps cast meter socket, <b>CL200D</b> E-Z Read Meter, sealing ring, security seal, 1" Milbank hub, nipple and mounting screws.  See <b>CL200D</b> for Watthour meter specification.	The second secon
Ordering	Order catalog number <b>K4800-01D</b> mechanical meter kit, or <b>K4800-D</b> digital meter kit.	K4800-D

### E-Z Read Watthour Meter

Application	200 Amps E-Z read watthour meter designed to be field-installed on the <b>U5100</b> and <b>U5300</b> metered power outlets.	
Features	200 Amps form 2S 120/240V.  Numeric readout in full kilowatt increments. No "tenths" dial; digital readout option available.  Remanufactured within 1% accuracy.	Column Services 1975, CID Miles Lands. Williams All Miles 150/018223
Ordering	Order catalog number <b>CL200-D</b> .	<b>CL200-D</b> Digital

## Single Receptacle Only Power Outlet

- 5	acio Omy i ottoi o			
Application	Overhead/underground power outlet receptacle, suitable for RV, temporary service, campground, marina and boatyard equipment.			
	Type 3R, 120/240V s	single phase.		
Features	Lockable cover.			
	Breaker not included (in receptacle box).			3° 11 F
Ordering	Order catalog number from chart below.			
Receptacle Options	P-10GWR 20A 5-20GR 120V GFI	P-13 30A TT-30R 120V	P-54 50A 14-50R 120/240V	ANGER / FÉLIGRO  OF EXTREME SOCIOL OF JUNE  OF THE STATE OF THE SOCIETY OF THE SO

## **WARNING!**

Always disconnect power prior to installing these devices.





# Replacement Parts & Accessories

For Millennium Series Products



Q120 20 Amps, 1 pole circuit breaker



**708784-MO**20 Amps, 1 pole
GFI circuit breaker



Q130 30 Amps, 1 pole circuit breaker



**Q250** 50 Amps, 2 pole circuit breaker

Main Breaker Kit Part number	Metered/Unmetered Surface-mount/ Pedestal	Amp
K5400-100MBM	Metered	100
K5400-100MBU	Unmetered	100



**Z918466-AC**Lug landing base



**Z917602-AC**Circuit breaker base (6-circuit)



**Z915141-AC**Left or right meter block assembly





## **Circuit Breakers**

## UQFP Plug-In and UQFB Bolt-On Series | 120/240V







UQFP-M UQFPH-M



UQFB-X1



**UQFBH** 

## 200 Amps Frame | Plug-In | 10,000 AIC and 22,000 AIC | Two-pole - Common Trip

A	10K AIC Plug-	22K AIC	10K AIC	22K AIC	Wire	Range
Amps	ln -	Plug-In	Plug-In	Plug-In	CU	AL
100	UQFP-100	UQFPH-100	UQFP-M-100	UQFPH-M-100	#3-#1	#1-1/0
125	UQFP-125	UQFPH-125	UQFP-M-125	UQFPH-M-125	#3-#1	#1-1/0
150	UQFP-150	UQFPH-150	UQFP-M-150	UQFPH-M-150	1/0-300	2/0-300
175	UQFP-175	UQFPH-175	UQFP-M-175	UQFPH-M-175	1/0-300	2/0-300
200	UQFP-200	UQFPH-200	UQFP-M-200	UQFPH-M-200	1/0-300	2/0-300

### 200 Amps Frame | Bolt-On | 10,000 AIC and 22,000 AIC | Two-pole - Common Trip

A	10K AIC	22K AIC	10K AIC 22K AIC Wire Ra		22K AIC 10K AIC 22K AIC Wire Range		Range
Amps	Bolt-On	Bolt-On	Bolt-On	Bolt-On	CU	AL	
100	UQFB-100	UQFBH-100	UQFB-100-X1	UQFBH-M-100	#3-#1	#1-1/0	
125	UQFB-125	UQFBH-125	UQFB-125-X1	UQFBH-M-125	#3-#1	#1-1/0	
150	UQFB-150	UQFBH-150	UQFB-150-X1	UQFBH-M-150	1/0-300	2/0-300	
175	UQFB-175	UQFBH-175	UQFB-175-X1	UQFBH-M-175	1/0-300	2/0-300	
200	UQFB-200	UQFBH-200	UQFB-200-X1	UQFBH-M-200	1/0-300	2/0-300	

## **Notes**

- **UL-listed:** For use with 60°C or 75°C wire.
- UQFP: For parallel main circuit breaker applications.
- UQFP-M: For series main circuit breaker applications Split load tab features allow for feed-through capability.
- UQFB: (2) 1/0-300 lugs provided on load and line side (cable-in, cable-out).
- UQFB3: Three-pole available. Consult factory.
- UQFB-X: (2) 1/0-300 lugs provided on load side and (2) line bar bus connections on line side.
- UQFB-M: For series main circuit breaker applications. Split load tab features allow for feed-through capability.





## Circuit Breakers

QP (Small Frame) and QN (Large Frame) | 120/240V

# 15–125 Amps Breaker Plug-In Type | One-inch Per Pole

Plug-in Type   One-Inch Per Pole						
Amps	Poles	10K AIC Plug-In	22K AIC Plug-In			
15	Single	Q115	Q115H			
15	Double	Q215	Q215H			
20	Single	Q120	Q120H			
20	Double	Q220	Q220H			
25	Single	Q125	Q125H			
25	Double	Q225	Q225H			
30	Single	Q130	Q130H			
30	Double	Q230	Q230H			
35	Single	Q135	Q135H			
35	Double	Q235	Q235H			
40	Single	Q140	Q140H			
40	Double	Q240	Q240H			
50	Single	Q150	Q150H			
50	Double	Q250	Q250H			
60	Single	Q160	Q160H			
60	Double	Q260	Q260H			
70	Single	Q170	Q170H			
70	Double	Q270	Q270H			
80	Double	Q280	Q280H			
90	Double	Q290	Q290H			
100	Double	Q2100	Q2100H			
125	Double	Q2125	Q2125H			



QN2200H



**QN2200RH** 



WBJ2200



O250

## 200 Amps Frame | Plug-In | 10,000 AIC and 22,000 AIC | Two-pole - Common Trip

A	Amps 10K AIC Plug-In 22K AIC Plug-In		Handle Leastion	Wire Range		
Amps	TOR AIC Plug-in	22K AIC Plug-In	Handle Location	CU	AL	
150	QN2150	QN2150H	Left facing	#4-300	#4-300	
200	QN2200	QN2200H	Left facing	#4-300	#4-300	
150	QN2150R	QN2150RH	Right facing	#4-300	#4-300	
200	QN2200R	QN2200RH	Right facing	#4-300	#4-300	
150	WBJ2150	_	Centered	#2-300	#2-300	
200	WBJ2200	_	Centered	#2-300	#2-300	

### **Notes**

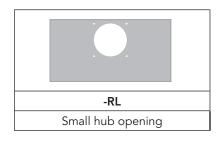
- Load connectors supplied with breakers.
- UL-listed for use with 60°C or 75°C wire.
- Wire sizes shown are lug capacity. Consult NEC Article #310 for specific wire sizes.



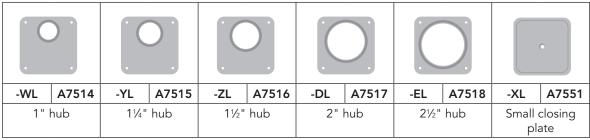


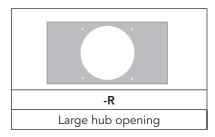
## **Accessories**

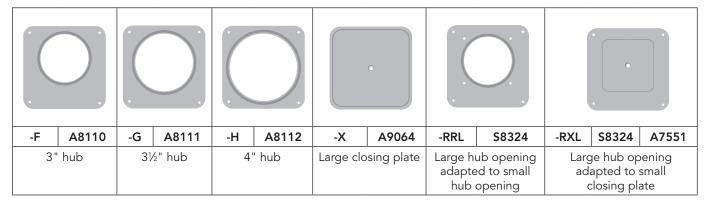
## Hubs and Closing Plates











### **Notes**

- Suffix: Add to catalog number for factory installation of hub.
- Packaging: Individually packed units for field installation.
- Abbreviations: H.O. (hub opening), C.P. (closing plate).
- Hub Mast rated



## Connector Kits, Closing Kits and Generator Interlock

## Connector Kits — For Use with 3/8"-16 Studs Type Units Only



#### **Bypass Link**



### Note

Consult factory for proper connector kits for studded meter sockets.

## **Closing Covers**



#### **Disconnect Sleeve**



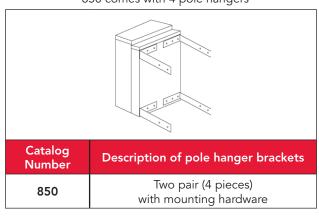
#### **Isolated Neutral Kit**



## ANSI-61-Gray



### **Pole Hanger Kit** 850 comes with 4 pole hangers







<sup>\*</sup>For (2) 1/0-250, conductors must be of same size.

## **Accessories**

## Fifth Terminals, Tap Connectors and Block Assemblies

### **Fifth Terminals**



**5T8K2** - 100-200 Amps "Plug-In"



**K5T** - 200 Amps (Block with Square Hole)

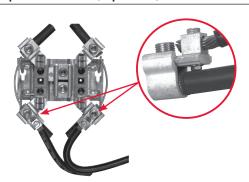


K3865 - Heavy Duty Jaw Clamping (K3866 without Neutral Wire)



K3356

#### Tap Connectors (3 per set)



Replaces the load or line side slide-in nut assembly on Milbank 200 Amps sockets.
Allows for a 100 Amps tap location in addition to the #6-350 kcmil load-side connector.

K5022 includes safety barrier extensions for applications over 300V. Three lugs per kit.

K4977-INT - Internal Hex Wire Range #12 - 1/0

K4977-EXT - External Hex Wire Range #12 - 1/0

K5022-INT - Internal Hex (set of 4 w/ barrier) Wire Range #12 - 1/0

### **Triplex Ground**



K1190 (For factory-installed triplex ground, add suffix -TG to catalog number)

## 100 Amps Blocks (single sockets only)



BL7474 - Block Assembly

BL7499 - KK Block Assembly

**Z904486-AO** - Slotted Nut Assembly

Z802965-AC - Neutral without Nut

**Z901925-AC** - Hex Nut Set Screw

## 200 Amps Blocks (single sockets only)



K4527 - Internal Hex Block Assembly (w/ meter support)

K4528 - External Hex Block Assembly (w/ meter support)

**Z916265-AO** - Internal Hex Slide Nut Assembly

**Z916264-AO** - External Hex Slide Nut Assembly

Z814898-AC - Neutral without Nut





Attractive | Easy-to-Install | Secure | Cost-Effective

### Milbank Power Distribution & Controls

are an alternative to unsightly and inefficient strut and backboard structures. Power Distribution & Controls are an attractive, secure, easy-to-install and cost-effective solution for underground remote site power distribution. Cabinets are weather-resistant enclosures that can be crafted to suit any environment with various mounting options. Each individual unit features a utility pull section with an optional meter socket and a separate customer section with distribution and control equipment.







**Commercial Pedestal** 

## **UL-listed as Industrial Control Equipment (File E113855)**

## **Standard Features**

- NEMA 3R rain-resistant, vandal-resistant cabinet of polyurethane powder coated steel (aluminum or stainless steel also available).
- UL-listed as enclosed industrial control equipment (UL508A).
- Isolated lockable and sealable utility metering and lug landing sections.
- Lockable customer section for distribution and control equipment with internal deadfront.
- Print pocket inside customer section door contains wiring schematics and installation instructions.
- Load centers are UL-listed for use with various manufacturers' circuit breakers.
- All stainless steel external hardware (screws, bolts, hinges, handles, hasps and sealing screws).















## **Power Distribution & Controls**

Attractive | Easy-to-Install | Secure | Cost-Effective







## **Applications**

These units are ideal for controlling and metering:

- Traffic signals and street lighting for municipalities.
- Power distribution for electric vehicle charging stations.
- Communication equipment such as cell towers and telephone vaults.
- Event power for fairgrounds, outdoor markets, portable offices, holiday lights, etc.
- Outdoor lighting for athletic fields, tennis and basketball courts, parking lots, landscaping and subdivision entrances.

## **Available Factory-Installed Options**

- Meter sockets: ring type or ringless, up to 400 Amps
- Main and branch breakers or T fuses
- Distribution: copper load centers and panelboards
- Clocks, timers and relays
- Photoelectric cells and controls
- Various power receptacles: pin and sleeve, twist lock or straight blade
- Contactors: lighting, definite purpose, motor starters
- Surge protection and lightning arresters
- Generator inlets with interlocked breakers
- Push button controls
- Thermostat controls, fans and heating strips
- Power blocks and Terminals blocks
- Steel, aluminum and plywood backboards
- Transformers
- Interlock devices for circuit breakers

## **Options**

- Available in steel, aluminum (raw painted or anodized) or stainless steel construction with powder coated finish available in eight standard colors or special-ordered RAL colors.
- Available for applications up to 400 Amps, 120V, 208V, 240V, 277V, 480V - 1Ø or 3Ø.

#### **Accessories**



Pad-mount bases available for all pedestal sizes, inquire with your representative for details.



# CP-ABK5/8 Anchor bolt kit (includes four 5/8 - 13

x 18" anchor bolts



## 105J

Fifth Terminals kit for use with ring type meter sockets



### K3865

Fifth Terminals kit for use with ringless meter sockets



### CP-TC7D

7-day time clock kit **CP-TC24H** 24-hour time clock kit

#### **CP-TCWIRE**

Male 4-pin connector and wiring harness for use with time clocks other than above



CP-PE-HOA-3POS

HOA switch for field installation





## Surface-Mount Compact Design

## **Surface-Mount**

Originally developed for small cellular communications, the surfacemount enclosed control offers the flexibility of larger power distribution and controls products with a smaller footprint and several mounting options.

### **Features**

- Mounting options allow for easy installation.
- Overhead and underground entry and exit, all in one unit.
- Meter and components in one enclosure.
- Custom component configurations and UL-listing covers all internal components on the UL508A and UL891.
- Can be mounted on multiple surfaces including:

walls.

poles (narrow profile will have minimal extension past sides).

H frames (strut).

- Multiple bypass options available.
- Monitoring options available.
- Optional powder coating in Milbank standard EC color or custom color.





## **Benefits**

- Smaller footprint
- Flood resistant
- Eliminates need for connecting components
  - O Wire in Wire Out

## **Applications**



Communications
Power Distribution



Lighting Control



Streetscape Power Distribution







## **Power Distribution & Controls**

Main Load Center Commercial Pedestals | 1Ø3 Wire 120/240V or 208Y/120V

Application: Remote site service for multiple loads

Milbank Main Load Center Commercial Pedestals are designed to handle the vast majority of all requirements in a standard, stocked configuration.

- All units feature a load center with a plug-on, back-fed main breaker.
- Standard units are equipped with with a 16 circuit load center in the 100 Amps or 24 circuit load center in 200 Amps models.
- Sub-feed lugs to allow feeding an external panel.

If your application requires turning loads on based on "dusk-to-dawn" requirements, be sure to see the Milbank Switched Load Center Commercial Pedestal products on the following page.

#### **Features**

These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth Terminals kit available.
- 22K Amps interrupting capacity (AIC) standard.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a load center for "always on" loads that include a main circuit breaker, 20 (125 or 200 Amps model) or 14 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.







## Switched Load Center Commercial Pedestals

## **Switched Load Center Commercial Pedestals**

1Ø3 wire 120/240V or 208Y/120V

Designed not only to provide power for various loads, but also to switch specific loads on and off under certain conditions. A photoelectric cell is used for these controlled loads, and an optional time clock is also available.

### **Features**

These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth Terminals kit available.
- 22K Amps interrupting capacity (AIC) standard.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a control circuit including PE receptacle, Lexan® window, glare shield, Hand-Off-Auto (HOA) switch, contractor controlling a 16-circuit load center for controlled loads, a pre-mounted DIN rail and pre-wired connector to add an optional "plug-andplay" time clock kit for PE on and TC off operation and a circuit directory to document configuration.
- A load center for "always on" loads that includes a main circuit breaker, a
  control power circuit breaker, a switched load center main breaker, nine (125
  or 200 Amps model) or 11 (100 Amps model) blank breaker spaces and a
  circuit directory to document configuration.



Ringless Lever Bypass shown

## **Applications**



**Traffic Signals** 



Parking Lots



Highways







## **Power Distribution & Controls**

## 400 Amps Commercial Pedestals



Designed to provide a weather- and vandal-resistant metered enclosure for various loads and distribution. Each pedestal has been designed to handle a wide range of applications using standard, stocked configurations including:r

- Choice of a single main breaker or twin service disconnect breakers gives flexibility to the pedestal design.
- Optional distribution with feed-through lugs below the service disconnect breakers allows the pedestal to handle numerous applications.
- Typical applications include remote homes where the metering is best located at the curb sside or other remote area. The pedestal can also provide power to a secondary residence, on-site business, workshop, irrigation, lighting, security or other secondary load.

## **Features**

These units include everything required for remote service:

- Main circuit breaker or dual service disconnects.
- Expandable: load center units that allow for future expansion without costly modifications.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section with lug termination.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a circuit directory and a print pocket to hold all documentation.
- Meter socket options include ring type with bypass studs, ringless with heavy duty lever bypass, or K-type bolt-on.

## **Applications**









## Battery Backup Commercial Pedestals



This product is specifically designed to provide battery backup power to a variety of loads and to conditionally switch specific loads on and off. It can use a photoelectric cell or time clock to control lighting circuits. Battery backup pedestals have options for both metered and unmetered power distribution. These pedestals are highly versatile and can handle the vast majority of today's backup power requirements. Its 19" rack design allows for easy adjustment of shelves to accommodate batteries, DC to AC inverters, transfer switches and other related equipment.

#### **Features**

- Works with 100 through 320 Amps meter sockets with the option of either a ring type socket (conforms to EUSERC 308) with or without test/bypass blocks or a heavy duty ringless socket with lever bypass.
- Separate sealable utility termination compartment.
- An isolated separate customer section with service disconnects, power distribution options and power control.
- 19" wide rack in customer compartment for easy layout of equipment.
- Includes trays to accommodate required batteries.
- Thermostat with cooling fan.
- Filtered louvers for heat rise flow through ventilation.
- Three point door latch (key or padlockable).

## Note

• May require customization based on regional requirements.

## **Applications**



Camera and Security Locations



**Parking Lots** 



**Traffic Signals** 



Communications
Power Distribution

## **Options**

- Manual bypass switch
- Transfer switch for generator power backup
- Generator inlet receptacles 30 Amps through 200 Amps
- Pad-lockable provision for receptacles
- Police access door
- Metered load center distribution
- Unmetered load center distribution
- Photo electric controls (for street lighting)
- Time clocks
- HOA switches

- Contactors
- GFCI duplex receptacles
- Thermostat for heating control
- Heating pads or elements
- Roll out shelves for batteries
- Surge arresters and lighting arresters





## **Power Distribution & Controls**

## Power Transfer Commercial Pedestals



Power transfer commercial pedestals provide metered or unmetered AC power, distribution, surge suppression, mechanical interlock and standby generator receptacles — in one compact pedestal.

### **Features**

- 120/240V 1Ø3W through 277/480V 3Ø4W ratings
- Metered or unmetered units
- Choice of EUSERC ring type or ringless meter sockets
- 60 Amps through 400 Amps ratings
- Pad-lockable, isolated utility compartments
- 20 Amps GFCI convenience receptacle
- Lockable recessed generator receptacle door
- Utility and generator indicator light options
- All stainless steel hardware
- Galvanized steel, aluminum or stainless steel cabinet options
- Custom designs available

## Note

• May require customization based on regional requirements.

## **Applications**





**Traffic Signals** 



Pump and Lift



Communications
Power Distribution





CT Metered Commercial Pedestals



Designed to be used where a smaller service package would be a better choice over larger switchgear equipment. These pedestals have amperage ratings of 400 to 800 Amps at voltages up through 480V three phase.

#### **Features**

- Available configurations up to 800 Amps.
- All utility equipment is isolated in separate padlockable and sealable compartments.
- Separate customer compartment designed to hold distribution and control equipment.
- Deadfront customer construction for enhanced safety measures.
- A mounting base option for various applications.
- Optional construction in steel, aluminum and stainless steel.

#### Note

• May require customization based on regional requirements.

## **Applications**



Commercial & Industrial Control Systems



Pump and LIft Stations



Water Treatment Plants



Electric Vechicle Charging Stations





## **Power Distribution & Controls**

Slimline Commercial Pedestals



Provides a sleeker, smaller footprint with wireway access on the side of the unit, rather than the back. This allows maximum flexibility to install the pedestal anywhere physical space is at a premium.

Providing unmetered AC power, distribution, surge suppression, mechanical interlock and standby generator receptacle — all in a neat, compact pedestal.

#### **Features**

- Available for 100 or 200 Amps.
- Vandal-resistant, secure and attractive design.
- Customer compartment with distribution and control equipment with swing deadfront door, secured with both a hasp/latch and draw latch outer door.
- Utility metering compartment protected with a hinged hood, increasing resistance to meter vandalism.
- Slim design creates a smaller footprint.
- Wireway located on left side of pedestal for utility incoming wire, allowing pedestal to be mounted with back as close as 14" to walls or structures.
- Available in 12" and 20" widths and 50" and 63" (metered) and 43" (unmetered) heights. Includes a print pocket for plans and drawings.
- Voltage range is between 120V and 480V.
- Compatible with both ringless and ring type meter sockets, 4–7 terminals.
- Available in a wide array of colors, including but not limited too all ANSI powder coated paint colors upon request.
- Pedestal mounting base option saves time and labor to install on a cement pad no anchor bolts required.
- Powder coated G90 galvanized steel or aluminum; raw, anodized or powder coated, as well as stainless steel exterior options.









## Notes

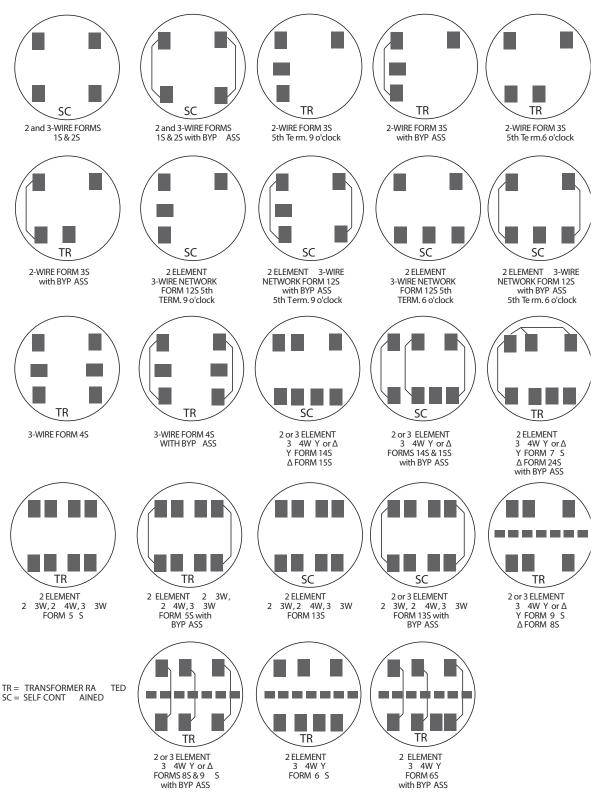
- May require customization based on regional requirements.
- Direct bury pedestals are only available for 12" pedestals. Constructed with 14-gauge steel.

With no need to coordinate, buy or wait for concrete, direct bury pedestals offer many advantages and can cut installation time down to less than an hour. Traditional direct bury pedestals can be awkward to transport and can only be used in a direct bury application. Milbank's modular design offers flexibility and convenience for distributors and contractors alike.





Standard Forms | Transformer Rated or Self-Contained



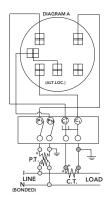




## **Meter Forms**

## Reference Information

## DIAGRAM A 1Ø2W with 1 P.T. & 1 C.T. Single Stator Meter(2W1Ø) - Form 3S 5T Socket, Test Switch #TS04-0101



## DIAGRAM B 1Ø3W with 1 C.T. Single Stator Meter (2W1Ø) - Form 3S 5T Socket, Test Switch #TS04-0101

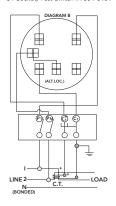


DIAGRAM C 1Ø3W with 2 C.T.'s Single Stator Meter (3W1Ø) - Form 4S 6T Socket, Test Switch #TS07-0105

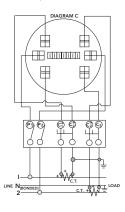


DIAGRAM D 1Ø3W or 3W Network with 2 C.T.'s 2 Stator Meter - Form 5S 8T Socket, Test Switch #TS07-0105

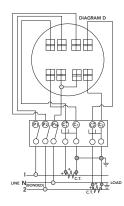


DIAGRAM E



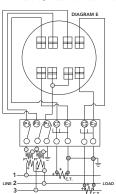


DIAGRAM F

3Ø3W "A" with 2 C.T.'s 2 Stator Meter - Form 5S 8T Socket, Test Switch #TS07-0105

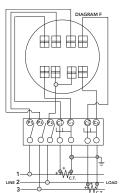


DIAGRAM G 3Ø4W "Y" with 3 C.T.'s 2 1/2 Stator Meter - Form 6S 13T Socket, Test Switch #TS10-0109

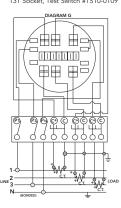


DIAGRAM H

3Ø4W "Y" with 2 P.T.'s & 3 C.T.'s 2 1/2 Stator Meter - Form 6S 13T Socket, Test Switch #TS10-0109

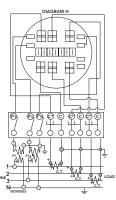


DIAGRAM I 3⊘4W "Y" or "Δ" with 3 C.T.'s "Y" 3 Stator Meter - Form 9S "Δ" 2 Stator Meter - Form 8S 13T Socket, Test Switch #TS10-0109

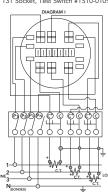
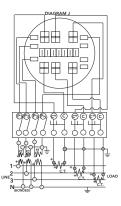


DIAGRAM J 3Ø4W "Y" with 3 P.T.'s & 3 C.T.'s 3 Stator Meter - Form 9S 13T Socket, Test Switch #TS10-0109



Prewiring: If standard factory prewiring is required, refer to wiring diagrams on this page. Determine appropriate diagram and send a copy with order. If custom factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch make and catalog number, meter form number and provide a copy of your wiring diagram.





## Reference Information

#### MAXIMUM NUMBER OF CONDUCTORS IN CONDUIT Table from 2008 NEC Code Reference: Rigid Metal Conduit

					_						
Tomas	Conductor Size			(	Condu	it Trac	de Sizo	es (Inc	hes)		
Туре	(AWG/kcmil)	1/2	3/4	1	11/4	11/2	2	21/2	3	31/2	4
	12	9	16	26	46	62	102	146	225	301	387
	10	6	10	17	29	39	64	92	142	189	244
	8	3	6	9	16	22	37	53	82	109	140
	6	2	4	4	12	16	27	38	59	79	101
THHN,	4	1	2	4	7	10	16	23	36	48	62
THWN,	3	1	1	3	6	8	14	20	31	41	53
THWN-2	2	1	1	3	5	7	11	19	26	34	44
	1	1	1	1	4	5	8	12	19	25	35
	1/0	1	1	1	3	4	7	10	16	21	27
	2/0	0	1	1	2	3	6	8	13	18	23
	3/0	0	1	1	1	3	5	7	11	15	19
	4/0	0	1	1	1	2	4	6	9	12	16
	4	1	2	4	7	10	16	24	37	49	63
	2	1	1	3	5	7	12	17	26	35	45
	1/0	1	1	1	3	4	7	10	16	22	28
XHH,	2/0	0	1	1	2	3	6	9	13	18	23
XHHW,	4/0	0	1	1	1	2	4	6	9	12	16
XHHW-2	250	0	0	1	1	1	3	5	7	10	13
	350	0	0	1	1	1	2	3	6	7	10
	500	0	0	0	1	1	1	2	4	5	7
	750	0	0	0	0	1	1	1	3	4	5

This table is for concentric stranded conductors only. For cables with compact conductors refer to NEC. Refer to latest NEC Code or Local Codes for updated requirements.

- \* ALLOWABLE AMPACITIES OF INSULATED COPPER &
- \*\* ALUMINUM CONDUCTORS (3W IN CONDUIT) 75° C (167° F)

,	Α		J-Clad AL
Α		А	В
18	_	_	_
16	_	_	-
14	20†	_	_
12	25†	12	20†
10	35†	10	30†
8	50	8	40
6	65	6	50
4	85	4	65
3	100	3	75
2	115	2	90
1	130	1	100
1/0	150	1/0	120
2/0	175	2/0	135
3/0	200	3/0	155
4/0	230	4/0	180
250	255	250	205
300	285	300	230
350	310	350	250
400	335	400	270
500	380	500	310
600	420	600	340
700	460	700	375
750	475	750	385

A = Size: AWG/MCM
\*B = Ampere Rating for Insulation Types:

Insulation Types: FEPW, RH, RHW, THW, THWN, XHHW, USE, 2W. \*\*C = Ampere Rating for Insulation Types: RH, RHW, THW, THWN,

RH, RHW, THW, THWN, XHHW, USE (Per NEC table 310-16)

## AMPACITY CORRECTION FACTORS

Ambient Temp.C°	Correction Factor	Ambient Temp.F°
21 - 25	1.05	70 - 77
25 - 30	1.00	78 - 86
31 - 35	.94	87 - 95
36 - 40	.88	96 - 104
41 - 45	.82	105 - 113
46 - 50	.75	114 - 122
51 - 55	.67	123 - 131
56 - 60	.58	132 - 140
61 - 65	.33	141 - 158

Overall ampere ratings of U/L listed Milbank multiple position meter sockets are based on 2008 N.E.C. Handbook Article 220-84 and ANSI / UL-414 (except where restricted by line connector size.) These requirements provide for a diversity factor / demand factor being utilized in determining the overall (main bus / lug) rating of a gang socket. All Milbank U/L listed gang sockets meet or exceed these diversity factor/demand and factor requirements. Standard overall ampacity ratings for U/L listed and non U/L listed gang sockets are as shown in the chart below. Ampere ratings of meter sockets are based on the meter socket being wired with 75° C insulated wire conductor, sized in accordance with Table 310-16 of the National Electric Code.

#### GANG SOCKET OVERALL AMPACITIES

# of Meter Pos.	100A/Pos. Ampacity	125A/Pos. Ampacity	150A/Pos. Ampacity	200A/Pos. Ampacity
2	200A	200A	200A	200A #
3	200A	225A	225A	270A
4	200A	250A	270A	360A
5	225A	285A	338A	450A
6	270A	330A	396A	528A

† Unless otherwise permitted elsewhere in the Code, the overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 amps for 14 AWG, 20 amps for 12 AWG, and 30 amps for 10 AWG copper: or 15 amps for 12 AWG and 25 amps for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied. # Some constructions are rated at 400 amps overall (1252). Contact your sales representative for more information. Refer to latest NEC Code or Local Codes for updated requirements.





# **Energization of Electrical Equipment**

## Important Information for Installers

## **Important Note**

In addition to national and local electrical codes, many utilities have specific requirements for metering equipment. Always consult the serving utility for their specifications and requirements prior to ordering or installing Milbank meter mounting equipment.

## **Before Energizing**

- 1. Give equipment a thorough visual examination to determine that:
  - A. No shipping or installation damage exists.
  - B. Proper clearances have been maintained.
  - C. All connections have been made.
  - D. Equipment is clean and dry.
- 2. Make a thorough examination to:
  - A. Verify tightness of all bolted connections (see table below).
  - B. Manually operate all circuit breakers, switches, relays, etc.
  - C. Check rigidity of all mountings, bus bars and components.
  - D. Use test equipment to check continuity of circuitry and integrity of insulation.
- 3. All switches and circuit breakers should be in the "off" position.
- 4. Verify that manual meter bypass (if applicable) is in non-bypass position.
- 5. Install cover and/or close doors.
- 6. If installation is not being energized at this time, follow "after-energizing" steps listed below. These steps will secure the installation in case of accidental energization.

## When Energizing

Use caution and follow established safety procedures:

- 1) Wear safety apparel.
- 2) Use safety equipment.
- 3) Take action to prevent injury to yourself and others in the event of failure of the installation.
- 4) Take action to prevent/decrease damage to property in the event of failure of the installation.
- 5) If you are unsure how to safely energize the installation, get someone who is knowledgeable to do it.

## **After Energizing**

Secure the installation:

- 1) To prevent accidental contact with energized parts, cover all openings with approved filler devices.
- 2) To prevent unauthorized access, secure all covers and/or doors with approved security devices.
- 3) Attach/post information to advise others of potential hazards associated with the installation.

## Recommended Torque for General Applications\*

Nominal	Joint Description		Head Type	Torque	
Size	Screw	Nut	пеас туре	(Inch Lbs.)	
10	Brass	Brass Nut or Extruded Hole	All	20-25 inch lbs.	
10	Steel	Copper or Aluminum Busbar ≤ 1/8"	All	25-30 inch lbs.	
10	Steel	Steel Nut or Extruded Hole; CU or AL Busbar > 1/8"	All	30-35 inch lbs.	
12	Steel	Aluminum Extruded Hole	All	30-35 inch lbs.	
12	Steel	Steel Nut or Extruded Hole	All	40-50 inch lbs.	
1/4	Steel	Aluminum Extruded Hole	All	40-50 inch lbs.	
1/4	Steel	Steel Nut or Extruded Hole; CU or AL Busbar	All	50-60 inch lbs.	
5/16	Steel	Aluminum Extruded Hole	Hex	60-70 inch lbs.	
5/16	Steel	Steel Nut or Extruded Hole; CU or AL Busbar	Hex	100-150 inch lbs.	
3/8	Steel	Steel Nut	Hex	150-200 inch lbs.	
1/2	Steel	Steel Nut	Hex	200-250 inch lbs.	

\* Interior labels typically indicate the required torque for wire connectors and studs, and should be referenced first. **CU:** Copper

AL: Aluminum





## Reference Information

## **Materials**

## **Steel Quality**

The meter equipment listed in this catalog is made of galvanized steel (AISI\* G90) to afford the best possible weather proofing. \*American Iron and Steel Institute.

## **Steel Sheet**

16-gauge, galvanized, sheet: 1 1/4 oz./ sq.ft. class zinc-coated. (AISI G90)

14-gauge, galvanized, sheet: 1 1/4 oz./ sq.ft. class zinc-coated.

## **Aluminum Extrusion**

Wire-Terminals: Alloy; 6061-T6, Tin-plated for CU/AL wire.

Bus Bar: Alloy; 6101-O & 6063-O

### **Aluminum Sheet**

3000 series aluminum sheet, H14, or 5052 series aluminum sheet, H32. Where applicable thicknesses range from .064-.125

## **Copper Sheet & Bus**

Electrolytic copper with tin plating in most applications.

## **Insulating Materials**

- In most units, support bases for current-carrying components are molded from fiberglass reinforced high-strength, track resistant, thermoset polyester molding compounds.
- · Clear or black safety shields and polarity barriers are molded from high-strength, track resistant, polycarbonate molding compounds.
- Various sheet insulating materials, as appropriate for the application are utilized in the fabrication of flat, formed and punched component parts and barriers.

### **Finish**

#### **Process**

Light gray state-of-the-art electrostatically applied powder paint offers a durable, non-fading finish. For further information concerning the chemical analysis of the weather resistant finish, please contact the factory.

#### **Metal Fastners**

Zinc-coated with a chromate dip.

## **Ratings and Compliance**

## **Ratings and Compliance**

All Milbank electrical enclosures in this catalog are rated "Type 3R Enclosure" unless specified otherwise on the product's page. All enclosures with a UL designation are constructed per the appropriate UL Standard and may be installed per the National Electric Code. UL procedure files associated with the UL Standards are listed as follows: Meter Sockets (UL 414, File E30202), Test Switches (UL 414, File E62531), Power Outlets (UL 231, File E90945), Panelboards (UL 67, File E32628) and Pullout Switches (UL 1429, File E133062). Additional standards are utilized as applicable: Meter Sockets (ANSI C12.7), Test Switches (ANSI C12.9) and Panelboards (NEMA PB-1).





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Milbank Manufacturing | 4801 Deramus Ave., Kansas City, MO 64120 | 877.483.5314 milbankworks.com | @milbankworks