

MILBANK[®]
ENERGY AT WORK



GEORGIA ALABAMA AREA

Product Catalog



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 equipment. 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 design and deliver complete power distribution solutions. Our custom power distribution and control equipment is engineered and built to your exact specifications. Milbank systems are an attractive, secure, easy to install, and cost-effective option. These units can replace unsightly or insufficient strut and backboard structures when underground remote site power distribution and control equipment is required.



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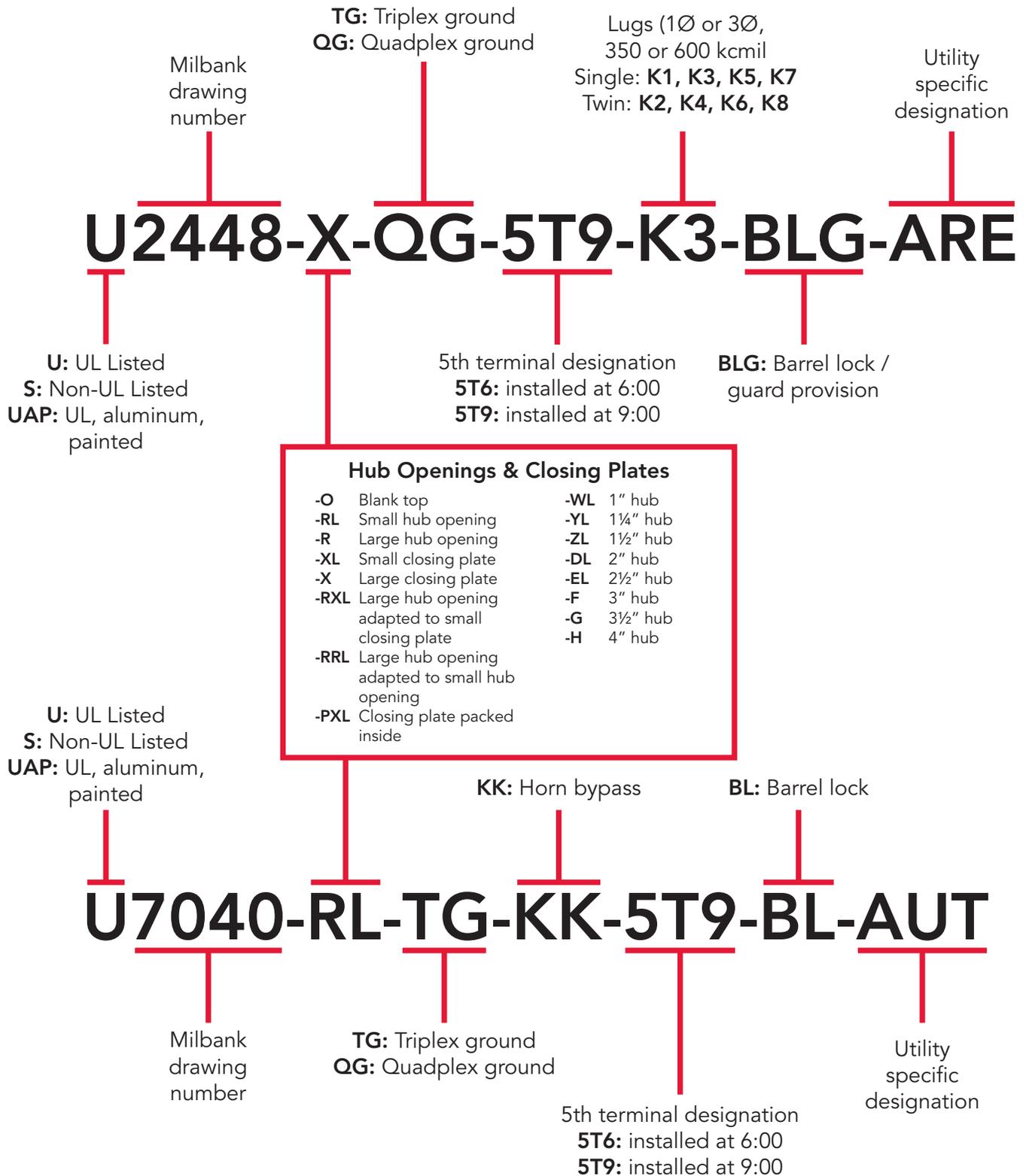
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Catalog Number Logic

How Our Product Catalog Numbers Are Derived



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Air Conditioner Disconnects

30 and 60 Amp | 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 G90U 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 Amp | 1Ø 240V | Air Conditioner Disconnects

Catalog Number	Amp	Type	Max H.P.	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions			Wire Rating	
					CU	AL		D"	W"	H"	CU °C	AL °C
U3802	60	Non-Fusible	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
U3812	60	Non-Auto	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
U3832	30	Fusible	3	2.5	#14-#3	#14-#3	#14-3	2⅝	5	7	60°/75°	60°/75°
U3862	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	2⅝	5	9	60°/75°	60°/75°

Notes

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



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Air Conditioner Disconnects

60 Amp | With 20 Amp GFCI Receptacle



U3822-20GWR

Specifications

- Meets NEC #210.63 requirements
- UL-listed as Power Outlet
- Type 3R enclosure
- In-use cover*
- Duplex ground connector
- 1" concentric knockouts
- 1Ø, 240V
- 60 amp, non-fused
- 20 amp GFCI receptacle
- Reset/test button
- Weather and tamper resistant
- Meets NEC #406.8 requirements

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

Catalog Number	Type	Max H.P.	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions			Wire Rating	
				CU	AL		D"	W"	H"	CU °C	AL °C
U3822-20GWR	Non-Fusible	10	6	#14-#2	#12-#2	#14-4	4½	5¼	7½	60°/75°	60°/75°

Notes

- **Disconnect Pullouts:** To ensure the safest conditions, Milbank disconnect pullouts 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).

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Hot Tub Disconnects

NEMA 3R Enclosures | NEC 2020 Compliant



U4881-O-50GB



U4881-O-60GB

Specifications

- 240V ground fault protection
- UL-listed, NEMA 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
- 100 Amps overall rating
- Easy to install

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

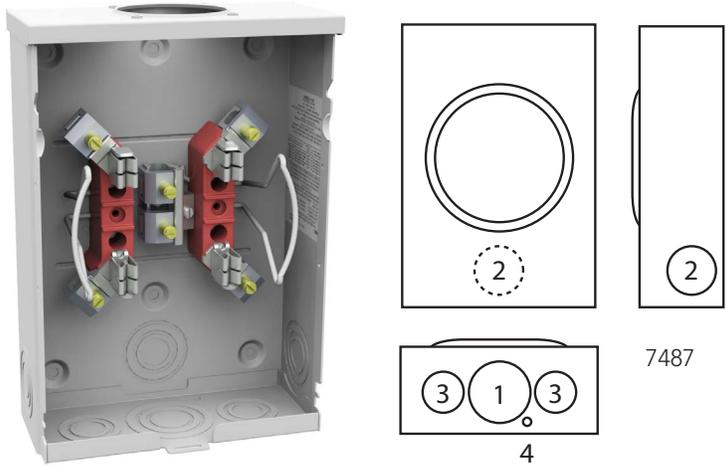
Catalog Number	Breaker Amps	Type	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions		
				CU	AL		D"	W"	H"
U4881-O-50GB	50	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3 3/4	7 1/2	8 1/2
U4881-O-60GB	60	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3 3/4	7 1/2	8 1/2



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Single Position Sockets

125 Amp | 4 Terminals | Ringless



U7487-RL-TG

125 Amp | Single Position | 4 Terminals | Ringless | 1Ø3W

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U7487-YL-TG	OH	1¼	#6-2/0	#6-2/0	None	3 ⁵ / ₁₆	8	11½	2	1½	1¼	¼
U7487-RL-TG	OH/UG	H.O.	#6-2/0	#6-2/0	None	3 ⁵ / ₁₆	8	11½	2	1½	1¼	¼

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Fifth Terminal:** For field mounted fifth terminal order catalog number **5T8K2**.
- **Connectors:** Extruded aluminum connectors are tin plated. Units are supplied with duplex neutral and triplex ground.

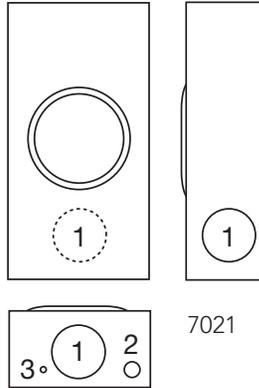
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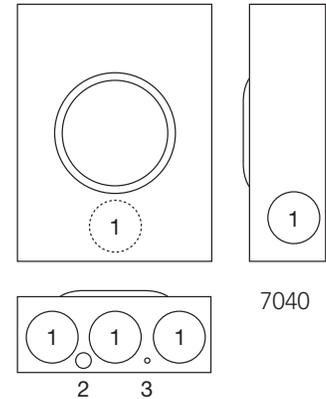
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Single Position Sockets

125 Amp | 4 and 5 Terminals | Ringless | Horn Bypass



U7021-RL-TG



U7040-XL-TG

200 Amp | 4 Terminals | Ringless

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts		
			Line	Load		D"	W"	H"	1	2	3
U7021-RL-TG	OH	H.O.	#6-350	#6-350	None	4 $\frac{1}{8}$	8	15 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$	1 $\frac{1}{4}$
U7040-XL-TG	OH/UG	C.P.	#6-350	#6-350	None	4 $\frac{1}{8}$	11	15 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$	1 $\frac{1}{4}$

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Fifth Terminal:** For field mounted fifth terminal order catalog number **K5T**.
- **Connectors:** Extruded aluminum connectors are tin plated.

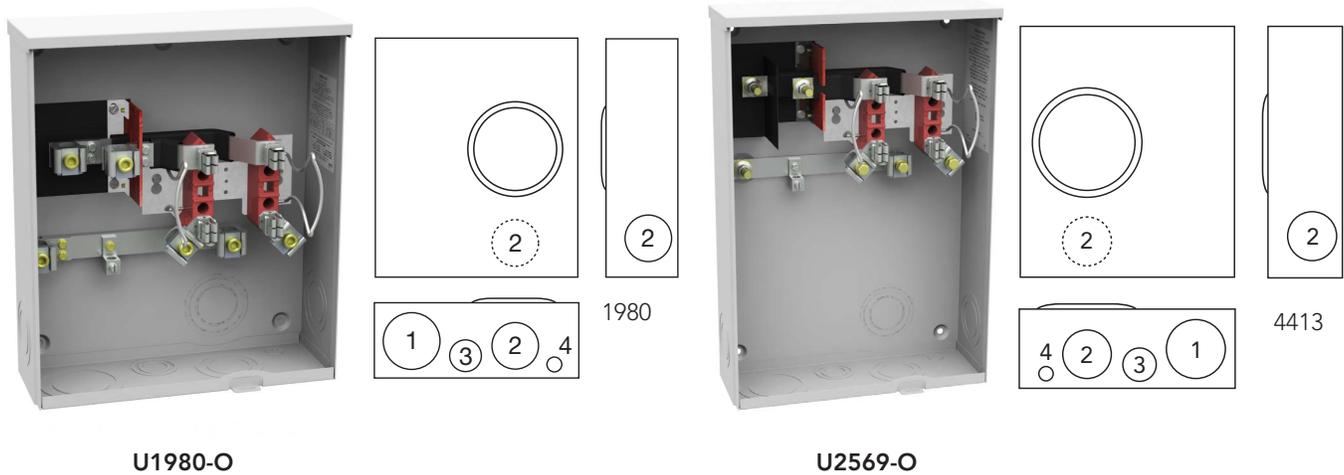


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Single Position Side Wireway

1 1

200 Amp | 4 Terminals | Side Wireways | Ringless



200 Amp | 4 Terminal | Side Wireway | Ringless

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts				
			Line	Load		D"	W"	H"	1	2	3	4	5
U1989-O	UG	Blank	#6-350	#6-350	None	4½	13	15½	3	2½	1½	¼, ½	—
U2569-O*	UG	Blank	¾" x 16 Studs*	#6-350	None	4½	13	19	3	2½	1½	¼, ½	—
U1980-O-HSP	UG	Blank	#6-350	#6-350	None	4½	13	15¼	3	2½	1½	¼, ½	¼
U1980-O-KK	UG	Blank	#6-350	#6-350	Horn	4½	13	15¼	3	2½	1½	¼, ½	—
U4413-O-KK-BL	UG	Blank	#6-350	#6-350	Horn	4½	13	15¼	3	2½	1½	¼, ½	—

Notes

- **Fifth Terminal:** For field mounted fifth terminal order catalog number **5T8K2** for round opening, **K5T** for square opening.
- **Connectors:** Extruded aluminum connectors are tin plated.
- *Line side supplied with 3/8"-16 hex head nuts with Belleville washers. For connector kit, order as extra: **K1539** (350kcmil).

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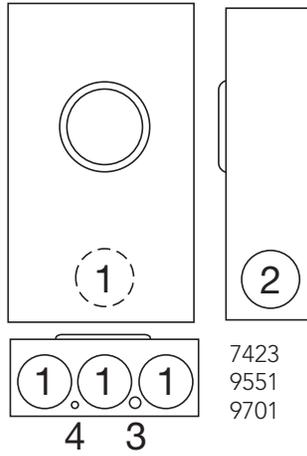


Single Position Lever Bypass

200 Amp | 5 and 7 Terminals | Ringless | 600V



U7423-RXL



7423
9551
9701



U9701-RRL

200 Amp | 7 Terminals | Ringless | 3Ø4W | Medium Duty Bypass

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U7423-RXL	OH/UG	C.P.	#6-350	#6-350	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

200 Amp | 5 and 7 Terminals | Ringless | 3Ø4W | Heavy Duty Bypass

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U9551-RXL	OH/UG	C.P.	#6-350	#6-350	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄
U9701-RRL	OH/UG	H.O.	#6-350	#6-350	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄
UAP9701-X-QG-HSP*	OH/UG	H.O.	#6-350	#6-350	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Insulated Neutral:** For field installed insulated neutral for catalog numbers U9701 and UAP9701 order kit number K1047.
- ***Aluminum Construction:** This unit is painted aluminum.
- **U7423:** Lever operates bypass device only; does not provide clamping action on meter spades

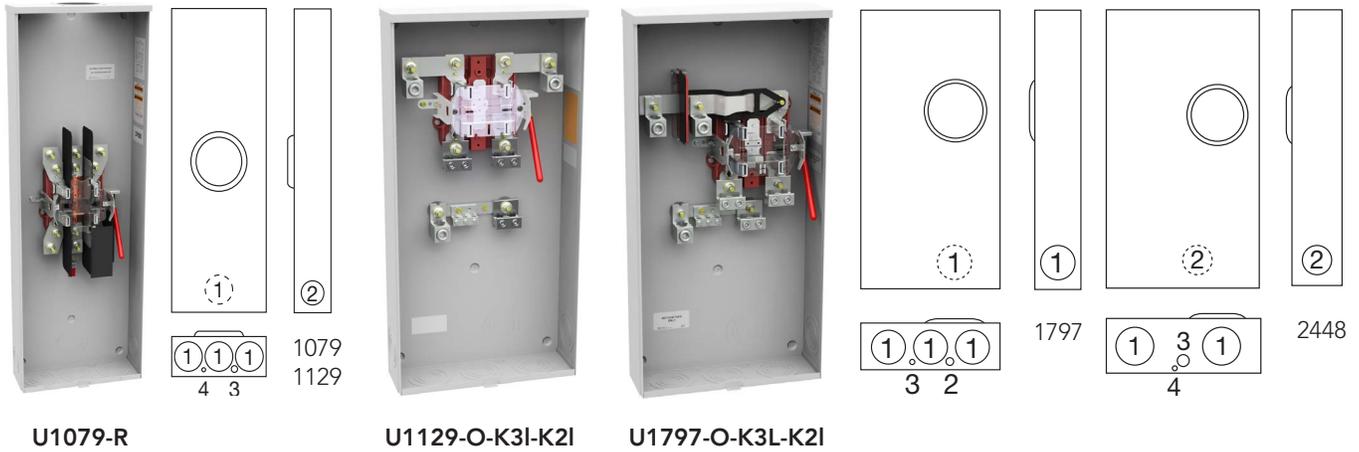


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Single Position Lever Bypass

1 3

320 Amp | 4 Terminals | Ringless | 600V



320 Amp | 4 Terminals | Ringless | 1Ø3W

Catalog Number	Service	Hub	Connector CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U1079-R**	OH	H.O.	3/8" x 16 Stud	3/8" x 16 Stud	Lever	4 7/8	13	38 3/4	3	2 1/2	1/4, 1/2	1/4
U1129-O-K3L-K2L	UG	Blank	4-600 (1) 1/0-250 (2)	Twin #6-350	Lever	4 7/8	15	30	3	1/4, 1/2	1/4	-
U1797-O-K3L-K2L	UG	Blank	4-600 (1) 1/0-250 (2)	Twin #6-350	Lever	4 7/8	15	30	3	1/4, 1/2	1/4	-
UAP1797-O-K3L-K2L*	UG	Blank	4-600 (1) 1/0-250 (2)	Twin #6-350	Lever	4 7/8	15	30	3	1/4, 1/2	1/4	-
U2448-X	OH/UG	C.P.	3/8" x 16 Stud	3/8" x 16 Stud	Lever	6 1/2	17 3/4	34 1/8	4	3	1	1/4

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Bypass:** The lever supplies clamping action and also operates bypass device.
- **Connectors:** Extruded aluminum connectors are tin plated. Stud type unit supplied with 3/8"-16 hex head nuts with Belleville washers. For connector kits, order as extra: For single **K1539** (350kcmil) or **K1540** (600kcmil). For twin lug connectors order as extra: **K1350** (350kcmil). Separate kits are required for both line and load.
- **For connectors, see page accessories page, 2 sets required, 1 for line and 1 for load.
- ***Aluminum construction:** This unit is painted aluminum.

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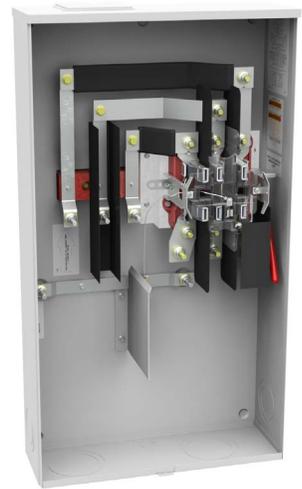
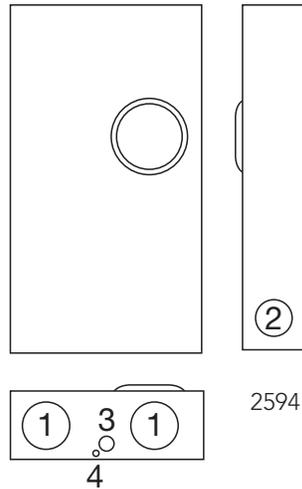
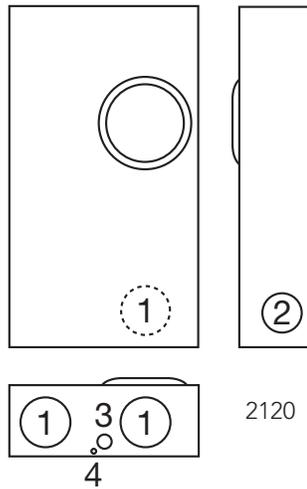


Single Position Lever Bypass

320 Amp | 7 Terminals | Ringless | 600V



U2120-X



U2594-X

320 Amp | Side Wireway | 7 Terminals | Ringless | 3Ø4W

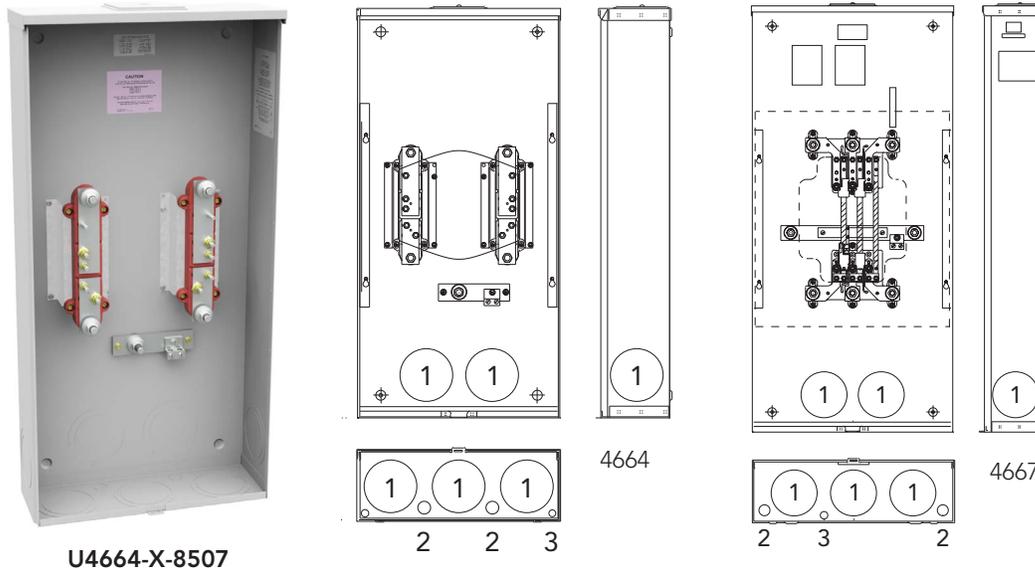
Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U2120-X	UH	C.P.	3/8" x 16 Stud	3/8" x 16 Stud	Lever	6 1/2	17 3/4	31 3/4	4	3	1	1/4
U2594-X	OH/UG	C.P.	3/8" x 16 Stud	3/8" x 16 Stud	Lever	6 1/2	17 3/4	34 1/8	4	3	1	1/4



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Bolt-In Bypass Single Position

600 Amp (480A Cont.) | 4 and 7 Terminals | Ringless



4 and 7 Terminals | Ringless | Overhead/Underground

Catalog Number	Phase	Hub	Connectors CU/AL		Dimensions			Knockouts				
			Line	Load	D"	W"	H"	1	2	3	4	5
U4664-X-8507	1	(1) Large C.P. (-X)	1/2"-20 Stud		6	17 3/4	36	4	4	4	1/2, 3/4	1/4
U4664-X-9507	1	C.P.	None		6	17 3/4	36	4	1/2, 3/4	1/4	-	-
UA4667-X-9504	3	C.P. (2)	1/2"-20 Stud		6	20 1/4	43	4	4	4	1/4	1/2, 3/4

Notes

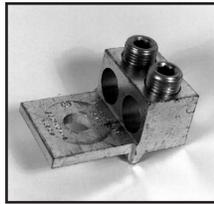
- **Application:** For use with 1Ø3W self-contained type MS-K watt-hour meters. For use with self-contained Type MT-K watt-hour meters on 3Ø4W wye or 4-wire delta services.
- **Capacity:** 480 amperes continuous / 600 amp max.
- **Terminals:** 1/2"-20 plated steel studs with nuts and captive Belleville washers to accommodate various bolt-on type lugs for conductors from #6 to 800 kcmil CU or AL.
- **Enclosure:** Constructed of 14 gauge galvanized steel suitable for indoor or outdoor installations. Ringless cover. **UA4667-X-9504** The meter is mounted on 6 studs using 5/16"-24 studs with nuts with captive Belleville washers. The upper studs are positioned so that the meter cannot be installed upside down. Use 1/2" insulated wrench. Another set of studs provides onsite out-of-service storage. Full travel meter opening slide plate eliminates the need for re-positioning the slide plate for the "IN" or "OUT OF SERVICE" position.
- **Blocks:** Glass fiber reinforced polyester plastic. High arc withstands strength and track resistant. Provisions for lightning arresters.
- **Connectors:** Phase and neutral connectors included on **U4667-X-BAR-9572**. **UA4667-X-9504** with 1/2"-20 studs require (8) connectors for line and load. For Lug connector kit explanation refer to chart on page 16.

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Z703916-AC



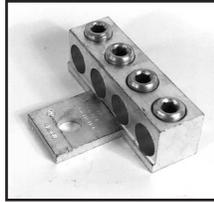
Z703918-AC



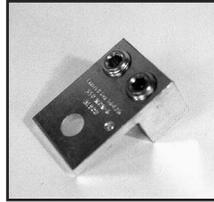
Z703919-AC



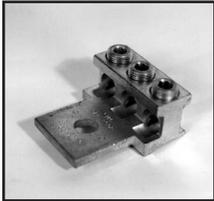
Z703921-AC



Z705420-AC



Z705456-AC



Z708145-AC

Bolt-on type lugs for Milbank stud type meter mounting devices are made of 6061-T6 aluminum to provide high strength and high conductivity. All lugs are tinplated to ensure low contact resistance and to reduce corrosion. Allen or hex head pressure screws are furnished to provide excellent conductor spread for maximum binding action with the lug.

4 Terminals, 1Ø3W Connector Kits

Catalog Number	Wire Range	Type	Wire Entry
Z703917-AC	#6-350	Twin	Side
Z704693-AC	#2-500	Twin	Side
Z705456-AC	#6-350	Twin	Rear
Z705420-AC	#6-350	Quad	Rear

7 Terminals, 3Ø4W Connector Kits

Catalog Number	Wire Range	Type	Wire Entry
Z703916-AC	3/0-800	Single	Side
Z703921-AC	3/0-800	Single	Front
Z703918-AC	#4-350	Twin	Front
Z703919-AC	#6-350	Twin	Side
Z704693-AC	#2-500	Twin	Side
Z704694-AC	#4-500	Twin	Front
Z708145-AC	#6-250	Triple	Front

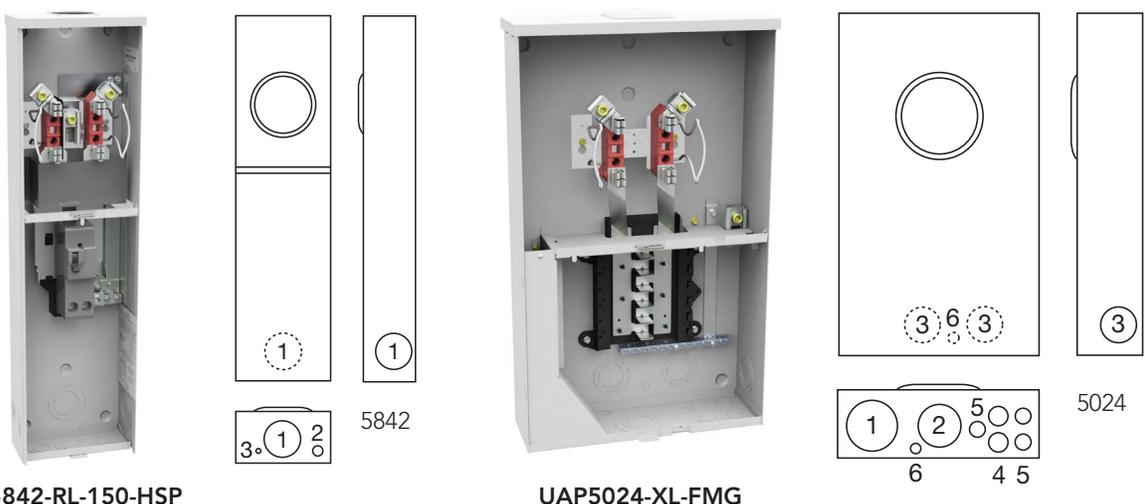


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Meter Main

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

NEC 2020 Compliant



U5842-RL-150-HSP

UAP5024-XL-FMG

100-200 Amp | 4 Terminals | Ringless | Meter Main | 1Ø3W

Catalog Number	Material	Service	Hub	Connectors CU/AL - Line		Dimensions			Knockouts		
				Line	Load	D"	W"	H"	1	2	3
U5842-RL-100-HSP	Steel	OH/UG	C.P.	#6-350	CB	4½	14	30	2	1¼	¼
U5842-RL-150-HSP	Steel	OH/UG	C.P.	#6-350	CB	4½	14	30	2	1¼	¼
U5842-RL-200-HSP	Steel	OH/UG	C.P.	#6-350	CB	4½	14	30	2	1¼	¼

Notes

- **Wireway:** Provided with underground pull section wireway with removable cover.
- **UAP5024 Bussing:** Load side bus bars and circuit breaker interior are made from plated copper.
- **Breakers:** UAP5024 Breaker section has provision for six double pole "plug-in" type circuit breakers. All circuit breakers will be parallel. To comply with NEC wire bending space requirements the maximum breaker amperage is 200 amp restricted to 3/0 copper conductor.

Breaker Chart for UAP5024

Manufacturer	Compatible Models	AIC Rating
Siemens	QN, QNR, QP	10K
Cutler-Hammer	BR, HQP, QPGF	10K
G.E.	TQL, THQL-GF	10K
Square D	Homeline	10K

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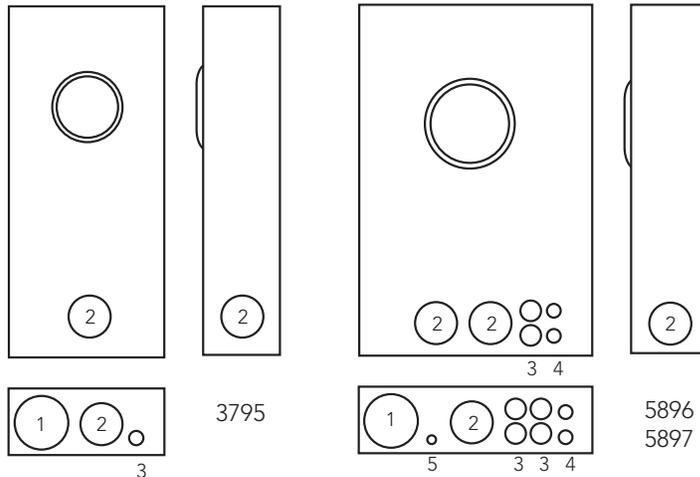
18

200 Amp | 4 Terminals | Ringless | 120/240V | *NEC 2020 Compliant*

Meter Main



U5896-PXL-200



4 Terminals | Meter Main | Ringless | 1Ø3W

Catalog Number	Amps	Service	Hub	Connectors CU/AL - Line		Dimensions			Knockouts				
				Line	Load	D"	W"	H"	1	2	3	4	5
U3795-XL-R-200	200	OH/UG	C.P.	#6-350	#1-300	4 $\frac{7}{8}$	13	29	Large hub opening	2 $\frac{1}{2}$	1/4, 1/2	—	—
U5896-PXL-200	200	OH/UG	C.P.	#6-350	C.P.	4 $\frac{7}{8}$	17	34	3	2 $\frac{1}{2}$	1	3/4	1/4, 1/2
U5897-PXL-200	200	OH/UG	C.P.	#6-350	#6-350	4 $\frac{7}{8}$	17	34	3	2 $\frac{1}{2}$	1	3/4	1/4, 1/2

Notes

- **Hubs:** For proper hub selection refer to the hub suffix chart on the accessory page.
- **Breakers:** Bolt-on circuit breakers are factory installed.

Branch Breaker Chart

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

Breaker Chart

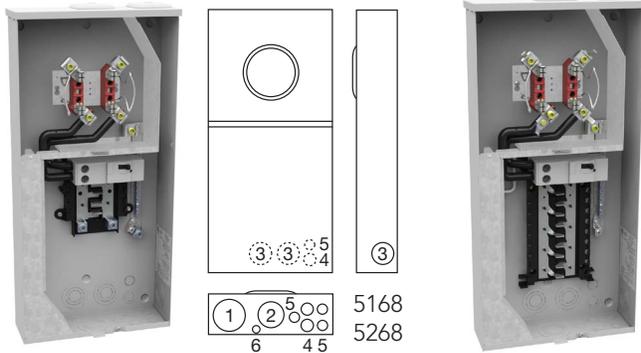
Amps	Catalog Number	Breaker
200	U5896-PXL-200	QN2200H
200	U3795-XL-R-200	UQFB-200-X1



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Meter Main With Load Center

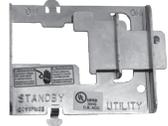
100-200 Amps | 4 Terminals | Ringless | *NEC 2020 Compliant*



U5168-XTL-200

U5268-XTL-200-KK

Generator Interlock

	K5815 Large QN with small frame Q	K5820 Large frame QN with large frame QN	K5830 Small frame Q to small frame Q
--	---	--	--

100-200 Amp | 4 Terminals | Meter Mains | OH/UG | 1Ø3W | Ringless

Catalog Number	Circuits	Bypass	Hub	Connectors CU/AL	Dimensions			Knockouts					
				Line	D"	W"	H"	1	2	3	4	5	6
U5168-XTL-100	10	None	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-100-KK	10	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-100-KK-5T	10	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-150	8	None	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-150-KK	8	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-150-KK-5T	8	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-200	8	None	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-200-KK	8	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5168-XTL-200-KK-5T	8	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5268-XTL-150	20	None	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5268-XTL-150-KK	20	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5268-XTL-200	20	None	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½
U5268-XTL-200-KK	20	Horn	C.P.	#6-350	4½	14⅞	32	3	2½	2	1	½,¾	¼,½

Notes

- **Hubs:** Supplied with two closing plates packed inside. Order hubs as a separate item. For proper hub selection, refer to the hub suffix chart on the accessories page.
- **Fifth Terminal:** For field installed fifth terminal, order **K5T**.
- **Breakers:** Rated 22K AIC with Milbank **QNR2200RH** main installed.
- **Main Breaker:** **U5168** available with 100-150 amp breakers, consult factory.
- **Sub Feed Lugs:** #6-350 sub feed lugs provided on 10 circuit interior. Not available on 20 circuit interior.
- **Horn Bypass:** **U5168, U5268** units are available with horn bypass, add -KK suffix.

Branch Breaker Chart

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

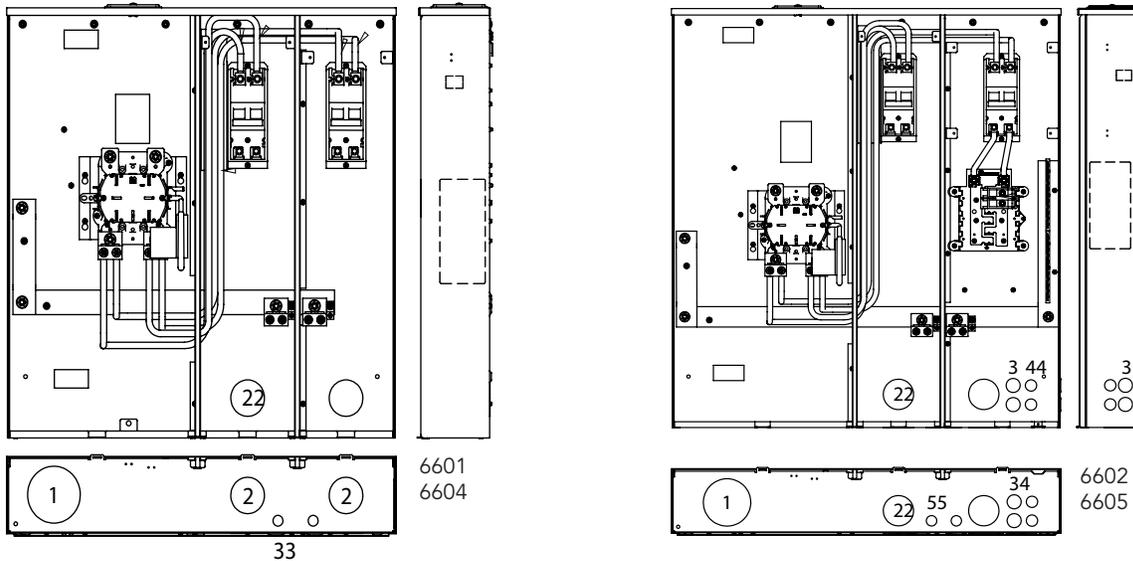
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Lever Bypass Meter Mains

320 Amps | 4-7 Terminals | Ringless | 2/200 Amps Breakers

NEC 2020 Compliant



320 Amps | 4-7 Terminals | 2, 200 Amps Breakers | OH/UG Service | CP Hub | Lever Bypass | Ringless

Catalog Number	Terminals	Connectors CU/AL Line	Branch Circuits	Dimensions			Knockouts				
				D"	W"	H"	1	2	3	4	5
U6585-X-2/200-K3L	4	(1) #4-600 or (2) 1/0-250kcmil	—	4 ⁷ / ₈	20 ¹ / ₄	45	3	1/2	1/4	—	—
U6601-X-2/200	4	3/8" x 16 Studs	—	6	34 ¹ / ₂	35	4	2 ¹ / ₂	1/2	—	—
U6602-X-2/200-MLK*	4	3/8" x 16 Studs	12	6	38	41	4	2 ¹ / ₂	1	1/2, 3/4	1/4, 1/2
U6603-X-2/200*	4	3/8" x 16 Studs	24	6	38	41	4	2 ¹ / ₂	1	1/2, 3/4	1/4, 1/2
U6604-X-2/200	4	3/8" x 16 Studs	—	6	34 ¹ / ₂	35	4	2 ¹ / ₂	1/2	—	—
U6605-X-2/200*	4	3/8" x 16 Studs	12	6	38	41	4	2 ¹ / ₂	1	1/2, 3/4	1/4, 1/2
U6606-X-2/200*	4	3/8" x 16 Studs	24	6	38	41	4	2 ¹ / ₂	1	1/2, 3/4	1/4, 1/2
U6056-X-2/200-K7L†	7	(2) 1/0 - 250 or 4-600kcmil	—	7	34 ¹ / ₄	34	1/2, 3/4	1/2, 3/4	1/2, 3/4	1/2, 3/4	—

Notes

- **NEC 2020 Compliant:** Products are NEC 2020 compliant.
- **Fifth terminal:** For field-installable fifth terminal, order catalog number **K3865**.
- **Breakers:** All units come with two, 200 Amps main breakers.
- **Side Bussed Units:** **U6604**, **U6605** and **U6606**.

*For main lug feed-through kit order **K3701**. For factory-installed, order catalog number with suffix **-MLK**.

†Short Circuit Current Rating: 22K AIC at 120/240V or, for the **U6056-X-2/200-K7L** only, 10K at 480V.



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Lever Bypass Meter Mains

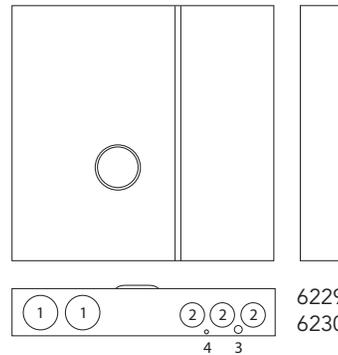
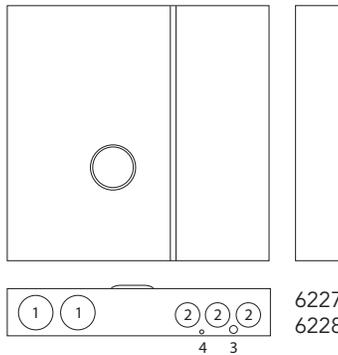
320 Amps | 4-7 Terminals | Ringless | 400 Amps Breaker
 NEC 2020 Compliant



U6228-X-400-K3



U6230-X-400-K7



320 Amps | 4 Terminals | 400 Amps Breaker | Lever Bypass | Ringless

Catalog Number	Service	Hub	Connectors CU/AL	Dimensions			Knockouts			
			Line	D"	W"	H"	1	2	3	4
U6227-X-400-K3	OH/UG	C.P.	600 kcmil	6	36¼	34	4	2½	½	¼
U6228-X-400-K3*	OH/UG	C.P.	600 kcmil	6	36¼	34	4	2½	½	¼

320 Amps | 7 Terminals | 400 Amps Breaker | Lever Bypass | Ringless

Catalog Number	Service	Hub	Connectors CU/AL	Dimensions			Knockouts			
			Line	D"	W"	H"	1	2	3	4
U6229-X-400-K7	OH/UG	C.P.	600 kcmil	6	36¼	34	4	2½	½	¼
U6230-X-400-K7*	OH/UG	C.P.	600 kcmil	6	36¼	34	4	2½	½	¼

Notes

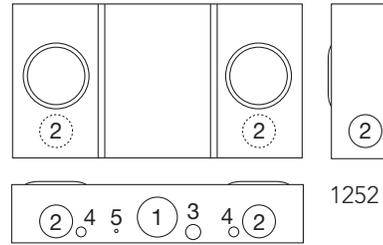
- **NEC 2020 Compliant:** Products are NEC 2020 compliant.
 - **Bypass:** The lever operates bypass device and supplies clamping action to meter spades.
 - **Short Circuit Current Rating:** 22K AIC at 120/240 VAC or 10K at 480 VAC.
- *U6228 and U6230 have side bussing./

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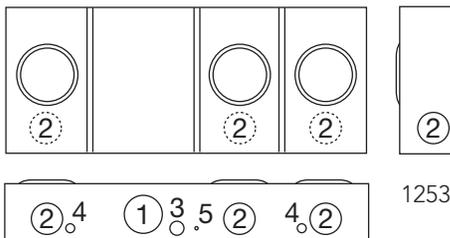




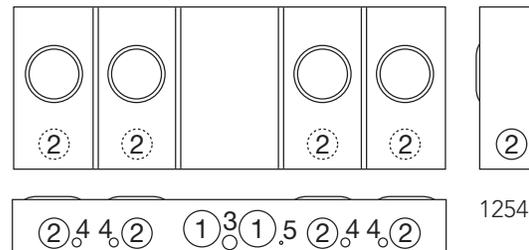
U1254-X



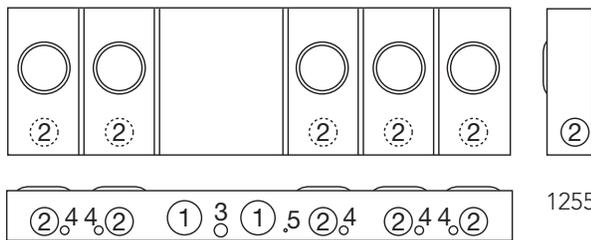
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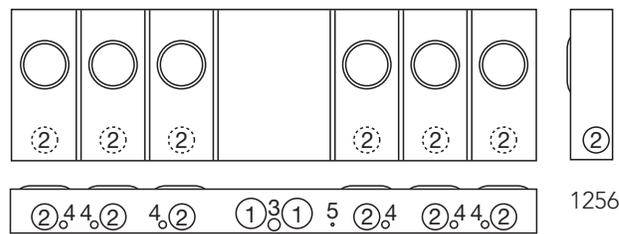
1253



1254



1255



1256

200 Amp per Position | 4 Terminals | Multi-Position | Ringless

Catalog Number	Positions	Service	Hub	Connectors CU/AL		Dimensions			Knockouts				
				Line	Load	D"	W"	H"	1	2	3	4	5
U1252-X	2	OH/UG	C.P.	3/8" x 16 Stud	#6-350	5 1/8"	26 1/2"	14"	3"	2 1/2"	1"	1/2"	1/4"
U1253-X	3	OH/UG	C.P.	3/8" x 16 Stud	#6-350	5 1/8"	34 3/4"	14"	3"	2 1/2"	1"	1/2"	1/4"
U1254-X	4	OH/UG	C.P.	3/8" x 16 Stud	#6-350	5 1/8"	42 7/8"	16"	3"	2 1/2"	1"	1/2"	1/4"
U1255-X	5	OH/UG	C.P.	3/8" x 16 Stud	#6-350	5 1/8"	54 1/2"	16"	3"	2 1/2"	1"	1/2"	1/4"
U1256-X	6	OH/UG	C.P.	3/8" x 16 Stud	#6-350	5 1/8"	63 1/6"	18"	3"	2 1/2"	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).
- **Connectors:** Extruded aluminum connectors are tin plated.



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Multi-Position Meter Mains

125-200 Amp | 4 Terminals | Ringless | 22K AIC Rated | 120/240V
 NEC 2020 Compliant



U5882-X



U5884-X

125 Amp/Position | 4 Terminals | Multi-Position Meter Main | Ringless

Catalog Number	Amps	Positions	Service	Hub	Connectors CU/AL	Dimensions			Weight (lbs.)
					Line	D"	W"	H"	
U5902-X	125	2	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	26 1/2"	30"	58
U5903-X	125	3	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	34 3/8"	30"	88
U5904-X	125	4	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	42 3/8"	30"	107
U5905-X	125	5	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	51 1/20"	30"	128
U5906-X	125	6	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	59 3/10"	30"	146

200 Amp/Position | 4 Terminal | Multi-Position Meter Main | Ringless

Catalog Number	Amps	Positions	Service	Hub	Connectors CU/AL	Dimensions			Weight (lbs.)
					Line	D"	W"	H"	
U5882-X	200	2	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	26 1/2"	30"	58
U5883-X	200	3	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	34 3/8"	30"	88
U5884-X	200	4	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	42 3/8"	30"	107
U5885-X	200	5	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	51 1/20"	30"	128
U5886-X	200	6	OH/UG	C.P.	3/8" x 16 Stud	5 1/8"	59 3/10"	30"	146

Breaker Chart - 10K AIC (unless noted 22K)

Manufacturer	Cutler-Hammer	Siemens	GE (50 Amps Max)	Square D
125 Amps or Less	BR, HQP, QPGF	QP, QPH (22K)	THQL, THQL-GF	Homeline
150-200 Amp	—	QN, QNH (22K)	—	—

Notes

- **Knockouts:** See drawings on the next page.
- **Optional:** Factory installed breakers are available - consult factory.
- **AIC Rating:** All models are rated 22K AIC.
- **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 3/8" - 16 hex head nuts with Belleville washers. For connector lug kits, order as extra from chart on page 70.

• **Horn Bypass :** Available, add **-KK** suffix

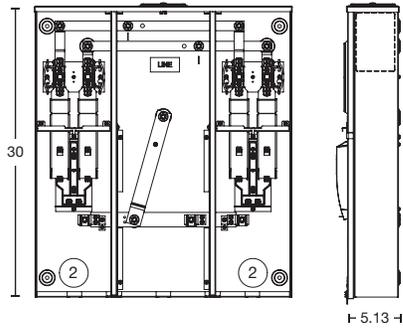
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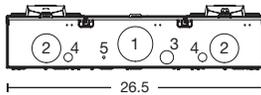
Multi-Position Meter Mains

U5902 and U5882 Series Knockout Information

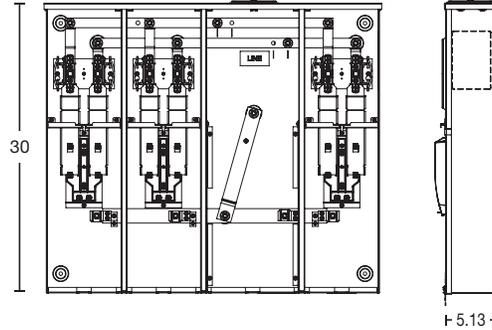
Knockouts				
1	2	3	4	5
3	2½	1	7/8	¼



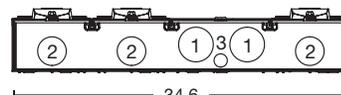
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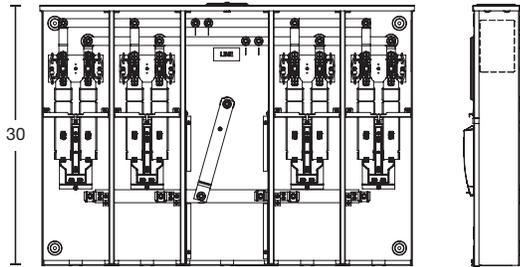
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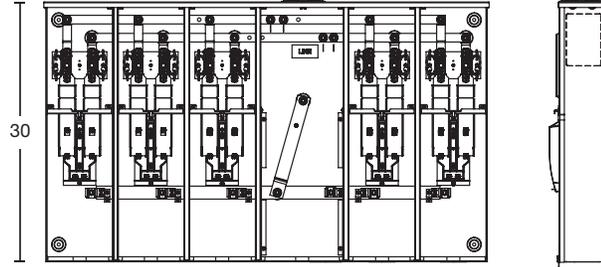
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5903



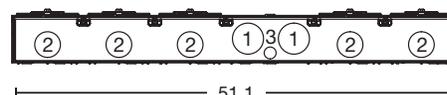
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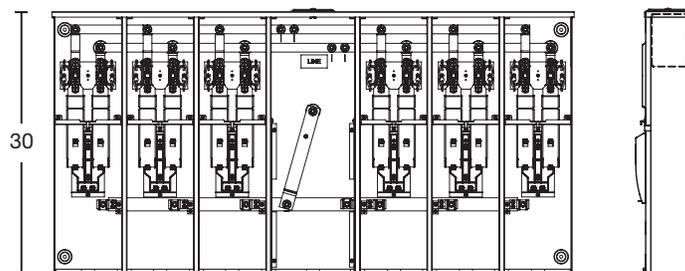
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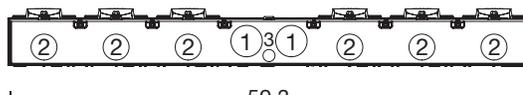
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5885
5905



F-5.13-1



5886
5906

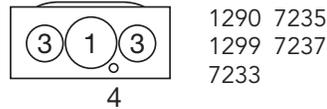
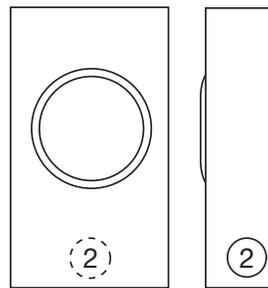


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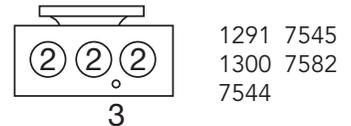
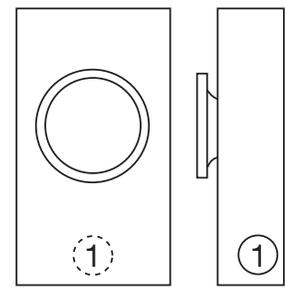
Transformer Rated

25

20 Amp | 5-13 Terminals | No Test Switch Provision



UC7237-RL



UC7582-XL

20 Amp | Ringless | **Plunger Bypass** | Overhead / Underground Service

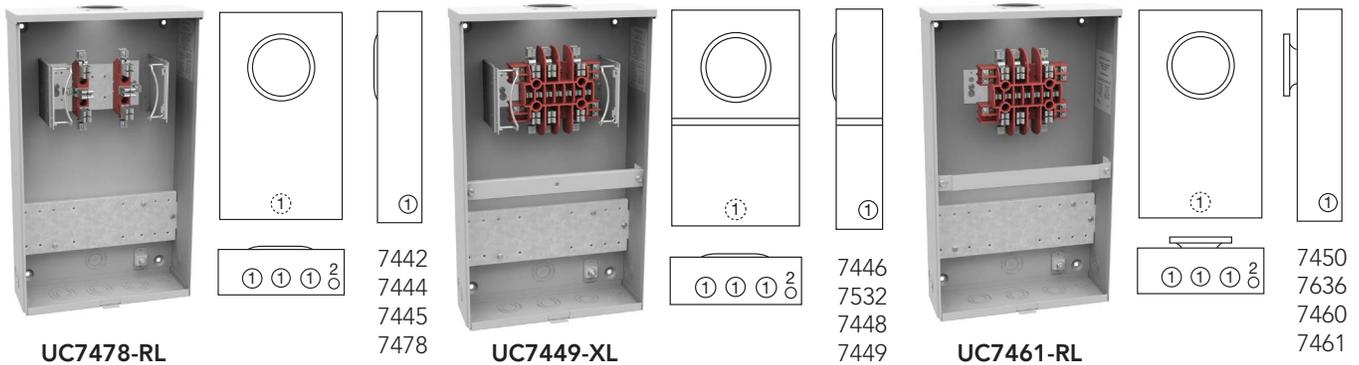
Catalog Number	Terminals	Hub	Meter Form	Connectors CU	Dimensions			Knockouts			
					D"	W"	H"	1	2	3	4
UC1290-XL	5	C.P.	3S	#14 - #10	3 ⁵ / ₁₆	8	14	2	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC1299-XL	6	C.P.	4S	#14 - #10	3 ⁵ / ₁₆	8	14	2	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7233-XL	7	C.P.	7, 14, 15 and 24S	#14 - #10	3 ⁵ / ₁₆	8	14	2	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7235-XL	8	C.P.	5S	#14 - #10	3 ⁵ / ₁₆	8	14	2	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7237-XL	13	C.P.	6, 8, 9S and (ALT) 10S	#14 - #10	3 ⁵ / ₁₆	8	14	2	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄

Notes

- Hubs: For proper hub selection, see the hub suffix chart on the accessories page.
- Bypass: Plunger type bypass automatically closes when meter is removed.

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1 Piece Cover | Ringless | Overhead / Underground | With Test Switch Provision*

Catalog Number	Terminals	Hub	Meter Form	Connectors CU	Bypass	Dimensions			Knockouts	
						D"	W"	H"	1	2
UC7442-RL	5	H.O.	3S	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7478-RL	6	H.O.	4S	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7444-RL	8	H.O.	5S	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7445-RL	13	H.O.	6, 8, 9 and (ALT) 10S	#14 - #4 Max	None	4½	12	20	1¼	¼, ½

2 Piece Cover | Overhead/Underground | With Test Switch Provision*

Ringless Catalog Number	Terminals	Hub	Connectors CU	Bypass	Dimensions			Knockouts	
					D"	W"	H"	1	2
UC7446-RL	5	H.O.	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7532-RL	6	H.O.	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7448-RL	8	H.O.	#14 - #4 Max	None	4½	12	20	1¼	¼, ½
UC7449-RL	13	H.O.	#14 - #4 Max	None	4½	12	20	1¼	¼, ½

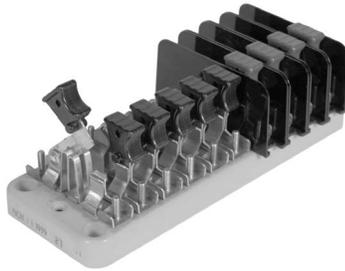
Notes

- **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:** If standard factory prewiring is required, refer to wiring diagrams in the general engineering section of this catalog. Determine appropriate diagram and send copy with order. If custom factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **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.
- ***Test Switch Cover:** Units on this page are not designed for use with test switch covers.



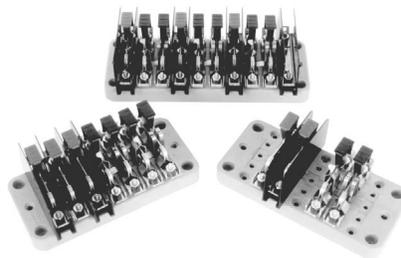
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The Milbank test switch is designed to meet the critical requirements of the electric utility industry. Not only does it meet EEI, ANSI C12.9, and UL standards, but it combines several special features giving the Milbank test switch increased safety, durability and reliability. One such feature is our unique switch blade contact points, which cut through residue that builds up after years of service. Another distinction is our polarity barrier, which is designed to be flexible and offer exceptional insulating qualities. Our test switches are constructed from the latest materials available using modern fabricating and assembly methods.



Switch Blades

Two dimples coined into one side of the switch blade ensure positive contact in corrosive, sooty environments—even after years of inactivity.



Test Switch Base

The base is molded from a high strength, fiberglass reinforced, thermoset polyester. This material is track resistant, flame retardant and has low water absorption qualities. Bases are available in 7-pole and 10-pole sizes.



Polarity Barrier

For maximum protection potential, circuits are supplied with permanently mounted barriers made from high tensile strength polycarbonate.



Standard Cover

Test Switch Covers

Standard test switch covers are made from impact resistant clear thermal plastic which has excellent tracking and moisture resistant properties. If covers are required, add suffix **-WC** (with cover) to the catalog number or order separately catalog number **K3388**. Black flush mount covers are also available. Order catalog number **K3388-BLK-FL**. 10-pole base only.

Note:

Socket shells must be 5½" deep
-OR- must not have test switch bridge mounted on back in order to support a cover.



Flush Mount Cover (Black)

Switch Jaws

The switch blade jaw clips are constructed from spring grade copper alloy. The material and design ensure excellent contact, which prevents overheating.

Current Carrying Parts

Highly conductive copper and copper alloy materials are used on all current carrying parts. This ensures conductivity and deters corrosion. Spring grades are used where appropriate. Plating is available if required. Contact general offices to special order.

Notes

- **Factory-installed:** For factory-installed cover, add **-WC** or **-WCFL** to the catalog number of desired test switch.
- **Field-installable:** For field-installable cover, order kit number **K3388** or **K3388-BLK-FL**.

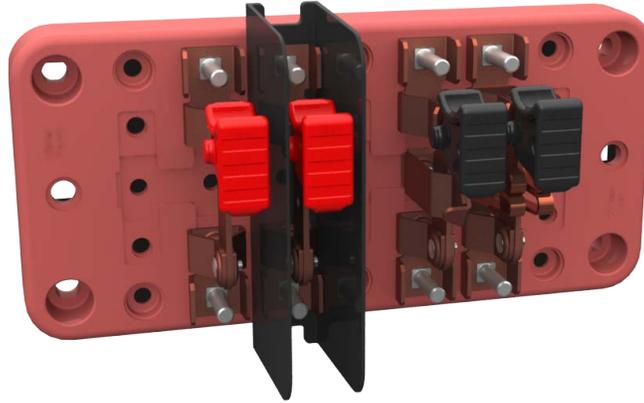
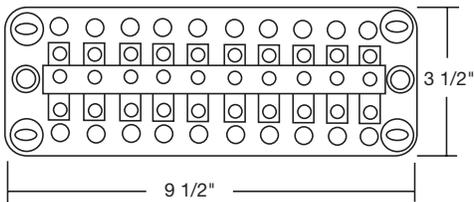
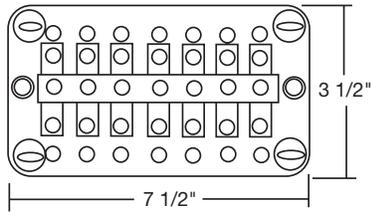
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Current Transformer Test Switches

4, 7, and 10 Pole | 600V | Per Ansi C12.9 Standard



Key	
P	Potential switch
C+	Line side current switch with short circuit assembly
C	Load side current switch with test jack assembly
N	Neutral bar (no switch)
Pn	Neutral potential switch
X	Unused position on base
	Insulating barrier, isolates both sides of switch

Custom Pole Arrangements:

The key may be used to diagram your own pole arrangement. Be sure to specify base size and whether all C+ line side, current switch/shunt circuit assemblies are to be bussed together. The catalog numbers shown above are connected in line-load pairs; therefore, if bussed is required, different catalog numbers will apply.

Catalog Number	4-Pole						
TS04-0101	X	P		X	C+	C	X
TS04-0104	X	C+	C	X		Pn	X

Catalog Number	7-Pole						
TS07-0105		P		C+	C	C+	C

Catalog Number	7-Pole on a 10-Pole Base									
TS07-0049		X		X		X	C+	C	C	C+
TS07-0106	X		C+	C		C+	C		X	X

Catalog Number	10-Pole									
TS10-0109	P		P		C+	C	C+	C	C+	C
TS10-0110		C+	C		C+	C		C+	C	
TS10-0111	P		P		C	C+	C	C+	C	C+
TS10-0112	C+	C	C+	C	C+	C		P		Pn
TS10-0016				Pn	C	C+	C	C+	C	C+



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Customer Name: _____
 Address: _____
 Phone / Fax #: _____

Handle Color Key							
BK	Black	P	Purple	Y	Yellow	GN	Green
R	Red	BL	Blue	W	White	BKS	Black Stripe
BR	Brown	GR	Gray	O	Orange	WS	White Stripe

TEST SWITCH BASE

The base is molded from a high strength, fiberglass reinforced, thermoset polyester. This material is track-resistant, flame-retardant and has low water absorption qualities. Bases are available in two standard sizes following NEMA mounting classifications.

Pole Position Chart

1	2	3	4	5	6	7	8	9	10

Special Features

Feature	1	2	3	4	5	6	7	8	9	10
45° Angle Stops										
Ganged Handles (C)										
Bussing										
Colored Handles										

Engineering Information: _____

Key	
P	Potential switch
C+	Line side current switch with short circuit assembly
C	Load side current switch with test jack assembly
N	Neutral bar (no switch)
Pn	Neutral potential switch
X	Unused position on base
L	Insulating barrier - one side
□	Insulating barrier - two sides

Custom Pole Arrangements: The key may be used to diagram your own pole arrangement. Be sure to specify base size and whether all C+ line side, current switch/shunt circuit assemblies are to be bussed together.

Number of Poles

- 4
- 7
- 10
- Other _____

Test Switch Cover (only available for 10-pole bases)

- Yes | Clear ____ Black ____
- No

Base Size

- 7-Pole
- 10-Pole

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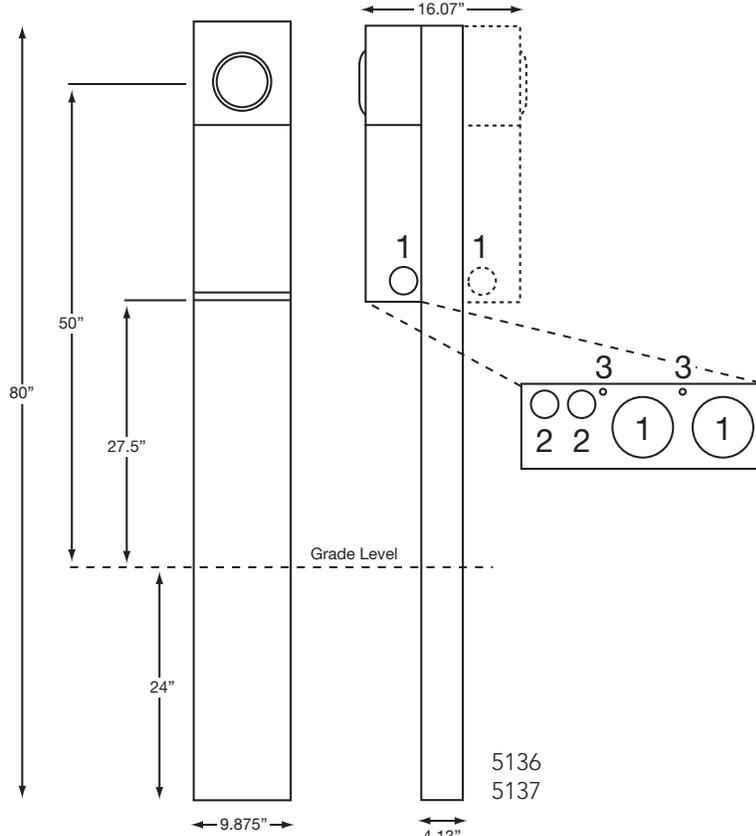


Meter Main w/ Load Center Pedestal

100-200 Amp | 4 Terminals | Ringless



U5136-O-200S
Shown with an optional
3 position receptacle bridge



5136
5137

100-200 Amp | 4 Terminals | Meter Main Pedestal | Ringless

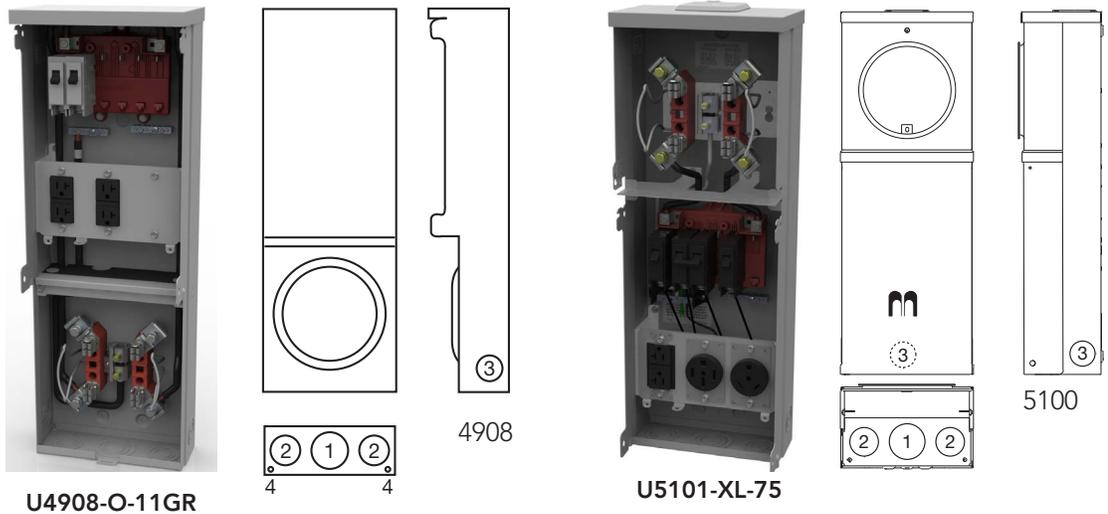
Catalog Number	Service	Meter Positions	Bypass	Connectors CU/AL		Knockouts		
				Line	Load	1	2	3
U5136-O-100S	UG	Single	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5136-O-200S	UG	Single	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5137-O-100S	UG	Double	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5137-O-200S	UG	Double	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5138-O-100S*	UG	Single	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5138-O-200S*	UG	Double	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5139-O-100S*	UG	Double	Horn	#6-350	CB	2	1/2, 3/4	1/4
U5139-O-200S*	UG	Double	Horn	#6-350	CB	2	1/2, 3/4	1/4



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Temp Power

100 Amp | 4 Terminals | 240V



100 Amp Meter Main with Breakers | 1Ø3W | Ringless | 120/240V

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U4908-O-11GR	UG	None	6 -2/0 AWG	Breaker	None	13 ⁵ / ₁₆	9	25 ⁵ / ₁₆	2	1½	1¼	¼

100 Amp Meter Main with Breakers | 1Ø3W | Ringless | 120/240V

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
			Line	Load		D"	W"	H"	1	2	3	4
U5101-XL-75	OH	C.P.	6-250 kcmil	Breaker	None	13 ⁵ / ₁₆	9	25 ⁵ / ₁₆	2	1½	1¼	¼

Specifications

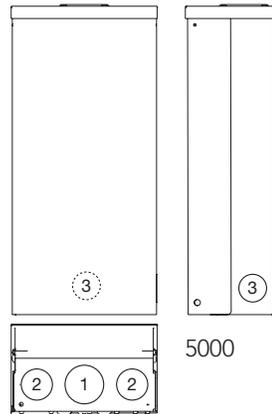
- Available in ringless style (U4908 series) or ring type (U4909 series).
- UL Listed 100 Amp, 120/240 Volt – 1Ø Underground Service Power Outlet. (U4908-UG and U5101-OH)
- Type 3R welded enclosure for durable outdoor use.
- Hub opening with closure plate. (U5101)
- Wire terminations accept copper or aluminum conductors. (U4908)
- **Service-Line and Neutral:** (1) #6-2/0
- **Load Ground:** (2) 1/0-#14 and (4) #6-#14
- **Load Neutral:** (2) 1/0-#14 and (4) #6-#14
- **Service Ground:** #2-#8
- Wire terminations accept copper or aluminum conductors. Loop feed not available. (U5101)
Line: (1) #6-250 kcmil
Ground: (2) 1/0-#14 and (4) #6-#14
Neutral: (2) 1/0-#14 and (4) #6-#14
- Four terminal, ringless meter socket with stainless steel locking hasp.
- Horn Bypass is available - consult factory.
- Main breaker option is available - consult factory.

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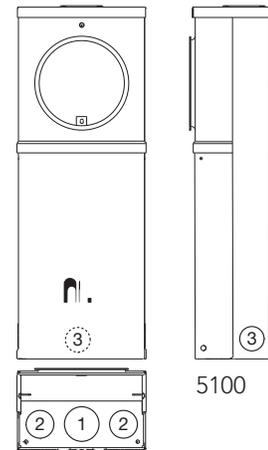
U5000-XL-75



5000



U5100-XL-75



5100

125 Amp | Surface Mount Power Outlets

Catalog Number	Metered/ Unmetered	Receptacle Configuration	Circuit Breaker Configuration	Loop Feed	Connectors - Line	Dimensions			Knockouts		
						D"	W"	H"	1	2	3
U5000-XL	Unmetered	—	—	Yes	(2) #14-2/0	5¼	9⅞	19¼	2	1½	1¼
U5000-XL-41	Unmetered	A	X	Yes	(2) #14-2/0	5¼	9⅞	19¼	2	1½	1¼
U5000-XL-55	Unmetered	B	Y	Yes	(2) #14-2/0	5¼	9⅞	19¼	2	1½	1¼
U5000-XL-75	Unmetered	C	Z	Yes	(2) #14-2/0	5¼	9⅞	19¼	2	1½	1¼
U5100-XL	Metered	—	—	No	#6-250	5¼	9⅞	25	2	1½	1¼
U5100-XL-41	Metered	A	X	No	#6-250	5¼	9⅞	25	2	1½	1¼
U5100-XL-55	Metered	B	Y	No	#6-250	5¼	9⅞	25	2	1½	1¼
U5100-XL-75	Metered	C	Z	No	#6-250	5¼	9⅞	25	2	1½	1¼

Receptacle Configurations

A	B	C
(1) TT30R, (1) 5-20R GFI	(1) 14-50R, (1) 5-20R GFI	(1) 14-50R, (1) TT30R, (1) 5-20R GFI

NOTE
Contact factory for additional configurations not shown here.

Circuit Breaker Configurations

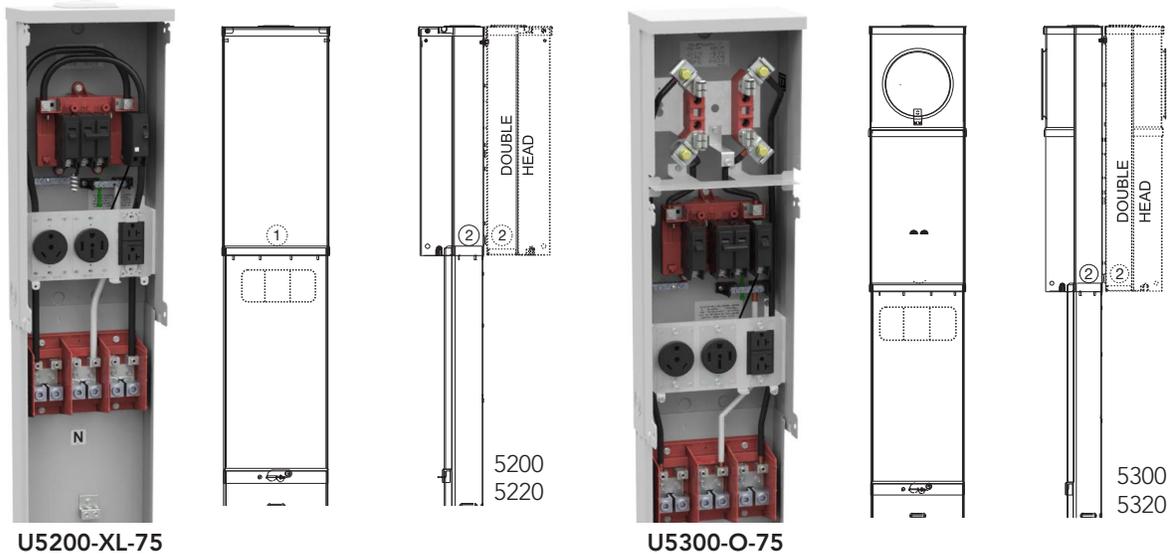
X	Y	Z
(1) 30A, 1P, 120V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 30A, 1P, 120V (1) 20A, 1P, 120V



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Power Outlet Pedestals

Millennium Series | Metered and Unmetered | 120/240V



U5200-XL-75

U5300-O-75

125 Amp | Power Outlet Pedestals | Direct Burial

Catalog Number	Double Head Catalog Number	Metered/Unmetered	Receptacle Configuration	Circuit Breaker Configuration	Dimensions			Knockouts
					D"	W"	H"	1
U5200-XL	U5220-XL	Unmetered	—	—	5 ⁵ / ₁₆	9 ¹ / ₈	64 ¹ / ₂	1 ¹ / ₄
U5200-XL-41	U5220-XL-41	Unmetered	A	X	5 ⁵ / ₁₆	9 ¹ / ₈	64 ¹ / ₂	1 ¹ / ₄
U5200-XL-55	U5220-XL-55	Unmetered	B	Y	5 ⁵ / ₁₆	9 ¹ / ₈	64 ¹ / ₂	1 ¹ / ₄
U5200-XL-75	U5220-XL-75	Unmetered	C	Z	5 ⁵ / ₁₆	9 ¹ / ₈	64 ¹ / ₂	1 ¹ / ₄
U5300-O	U5320-O	Metered	—	—	5 ⁵ / ₁₆	9 ¹ / ₈	70 ¹ / ₄	1 ¹ / ₄
U5300-O-41	U5320-O-41	Metered	A	X	5 ⁵ / ₁₆	9 ¹ / ₈	70 ¹ / ₄	1 ¹ / ₄
U5300-O-55	U5320-O-55	Metered	B	Y	5 ⁵ / ₁₆	9 ¹ / ₈	70 ¹ / ₄	1 ¹ / ₄
U5300-O-75	U5320-O-75	Metered	C	Z	5 ⁵ / ₁₆	9 ¹ / ₈	70 ¹ / ₄	1 ¹ / ₄

Receptacle Configurations

A	B	C
(1) TT30R, (1) 5-20R GFI	(1) 14-50R, (1) 5-20R GFI	(1) 14-50R, (1) TT30R, (1) 5-20R GFI

NOTE
Contact factory for additional configurations not shown here.
Pad-mount is available. Contact factory for information.

Circuit Breaker Configurations

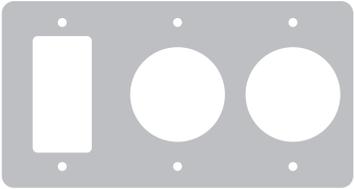
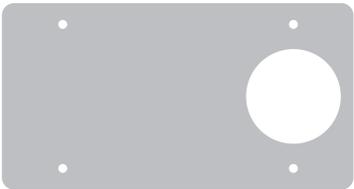
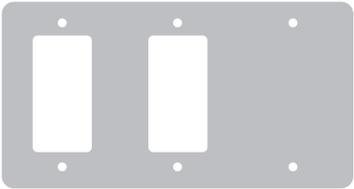
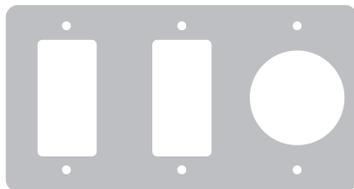
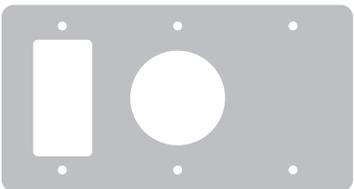
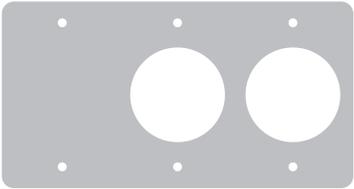
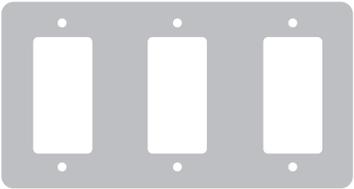
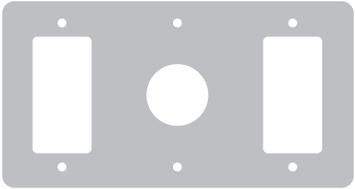
X	Y	Z
(1) 30A, 1P, 120V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 30A, 1P, 120V (1) 20A, 1P, 120V

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Replacement Receptacle Plates

For Millennium Series RV Products

		
K5920-75	K5920-10GR	K5920-54
		
K5920-11GR	K5920-522	K5920-41
		
K5920-58	K5920-111GR	K5920-BLANK
		
K5920-38		

Notes

- For application details, consult factory.



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Lighting Accessories

For Millennium Series Products

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

Application	Internal light kit for metered 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 metered power outlet is 15¼" 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 five-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 15¼" 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.

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

Application	Internal light kit for metered 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 metered power outlet is 15¼" 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 five-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 15¼" 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.



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Telecom and Pedestal Accessories

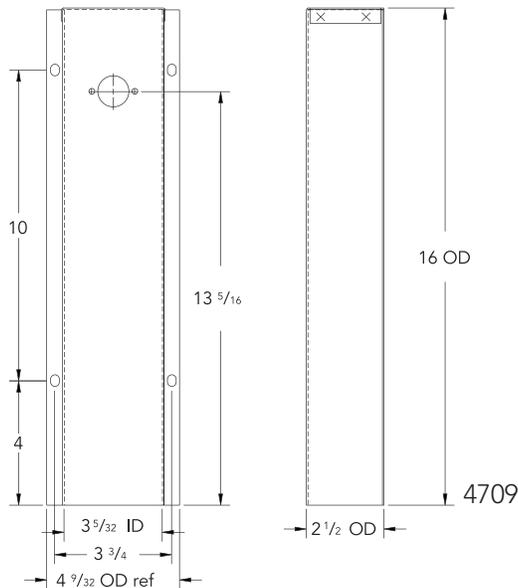
For Millennium Series RV Products

Telephone and Cable TV Kit

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

Water Shroud with Hardware

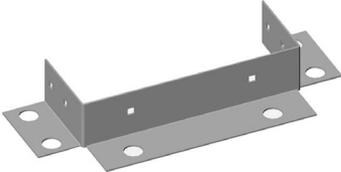
Application	Used to cover water pipe and provide means to mount hose bib to rear of pedestal.	
Features	<p>Includes mounting hardware and instructions.</p> <p>Matches K4709 kits when mounted side-by-side.</p>	
Ordering	Order catalog number K4709-WS .	



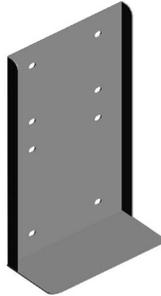
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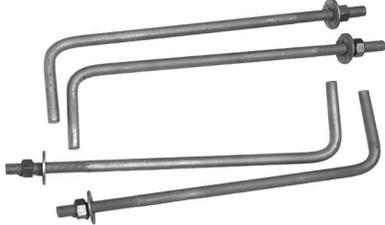
Field-Installed Pad Mount Kit

Application	Field installed pad mount kit with (6) 3/4" mounting holes.	
Features	Includes 1/4-20 stainless steel hardware to attach pad mount base to post. Anchor bolt kit sold separately (order catalog number K5421).	
Ordering	Order catalog number K5410 .	

Stabilizer Foot with Hardware

Application	Stabilizes direct burial type posts in unstable soil conditions.	
Features	Includes 1/4-20 hardware to attach to U5200 and U5300 pedestals.	
Ordering	Order catalog number K5415 .	

Anchor Bolt Kit

Application	Concrete anchor bolt kit designed to attach pad mount base to concrete.	
Features	(4) sets of zinc-plated 5/8-11 x 10" bolt with 2" toe. Includes nut and flat washer.	
Ordering	Order catalog number K5421 .	



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Metering and Receptacle Accessories

For Millennium Series RV Products

Field-Installed Meter Kits

Application	Field-installed meter kit for U5000 and U5200 power outlets.	
Features	100 Amps cast meter socket, CL200 E-Z Read Meter, sealing ring, security seal, 1" Milbank hub, nipple and mounting screws. See CL200-D for wathhour meter specification.	
Ordering	Order catalog number K4800-D .	

E-Z Read Wathhour Meter

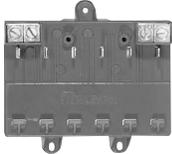
Application	200 Amps E-Z read wathhour meter designed to be field-installed on the U5100 and U5300 metered power outlets.	
Features	200 Amps form 2S 120/240V. Numeric readout in full kilowatt increments. No "tenths" dial. Remanufactured to 1% accuracy.	
Ordering	Order catalog number CL200-D .	

Single Receptacle Only Power Outlet

Application	Overhead/underground power outlet receptacle, suitable for RV, temporary service, campground, marina and boatyard equipment.			
Features	NEMA 3R, 120/240V single phase. Lockable cover.			
Ordering	Order catalog number from options below.			
Receptacle Options	 P-10GWR 20A 5-20GR 120V GFI	 P-13WR 30A TT-30R 120V	 P-54WR 50A 14-50R 120/240V	

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<p>Q120 20 amp, 1 pole circuit breaker</p>	<p>708784-MO 20 amp, 1 pole GFI circuit breaker</p>	<p>Q130 30 amp, 1 pole circuit breaker</p>	<p>Q250 50 amp, 2 pole circuit breaker</p>
			
<p>Z918466-AC Lug landing base</p>	<p>Z917602-AC Circuit breaker base (6-circuit)</p>	<p>Z915141-AC Left or right meter block assembly</p>	
			
<p>Z918449-AC (19" unmetered) Z918447-AC (15" metered) Hinge cover</p>	<p>Z818052-SC (19" unmetered) Z818480-SC (15" metered) Deadfront</p>	<p>MR-2 Snap action sealing ring</p>	
			
<p>Z708080-MO 20 amp GFI receptacle NEMA 5-20GR</p>	<p>Z701776-MO 30 amp receptacle NEMA TT-30</p>	<p>Z708767-MO 50 amp receptacle NEMA 14-50R</p>	



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Circuit Breakers

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



UQFP
UQFPH



UQFP-M
UQFPH-M



UQFB-X1



UQFBH

200 Amp Frame | Plug-In | 10,000 AIC and 22,000 AIC | Two-Pole - Common Trip

Amp	10K AIC Plug-In	22K AIC Plug-In	10K AIC Plug-In	22K AIC Plug-In	Wire Range	
					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 amp Frame | Bolt-On | 10,000 AIC and 22,000 AIC | Two-Pole - Common Trip

Amp	10K AIC Bolt-On	22K AIC Bolt-On	10K AIC Bolt-On	22K AIC Bolt-On	Wire Range	
					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.

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15–125 Amp Breaker | Plug-In Type | 1" Per Pole

Amp	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



Q250

200 Amp Frame | Plug-In | 10,000 AIC and 22,000 AIC | Two-Pole, Common Trip

Amp	10K AIC Plug-In	22K AIC Plug-In	Handle Location	Wire Range	
				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

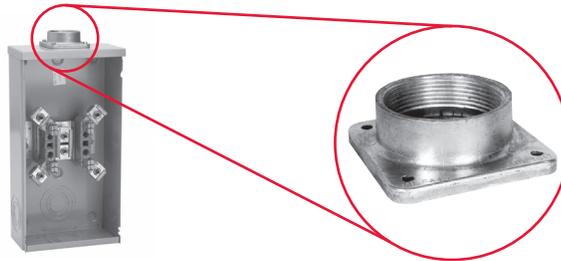
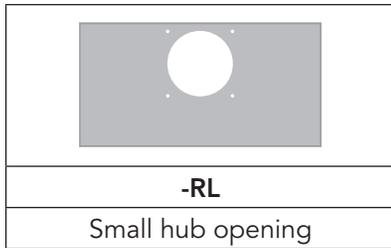
- Load connectors supplied with breakers.
- UL-listed for use with 60°C or 75°C wire.
- Wire sizes shown are lug capacity. Consult NEC Article #310 for specific wire sizes.



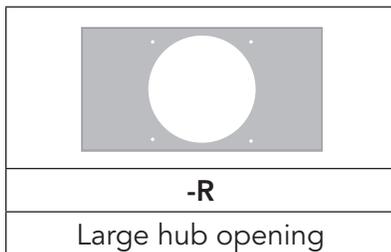
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Accessories

Hubs and Closing Plates



-WL A7514	-YL A7515	-ZL A7516	-DL A7517	-EL A7518	-XL A7551
1" hub	1¼" hub	1½" hub	2" hub	2½" hub	Small closing plate



-F A8110	-G A8111	-H A8112	-X A9064	-RRL S8324
3" hub	3½" hub	4" hub	Large closing plate	Large hub opening adapted to small hub opening

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.

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

					
Single			Twin		
Suffix	Part #	(3 per set) - 1Ø	Suffix	Part #	(3 per set) - 1Ø
K1	K1539	6-350	K2	K1350	6-350
K3	K1540	4-600 or (2) 1/0-250*	K2L	K1350L	6-350 (non rotating)
K3L	K1540L	4-600 or (2) 1/0-250* (non rotating)	K4	K1541	4-600
Suffix	Part #	(4 per set) - 3Ø	Suffix	Part #	(4 per set) - 3Ø
K5	K3082	6-350	K6	K3442	6-350
K7	K3441	4-600 or (2) 1/0-250*	K8	K3083	4-600

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

Bypass Link



Note

Consult factory for proper connector kits for studded meter sockets.

Closing Covers

	
Meter Closing Plate (Ring Type / Ringless)	Metal Closing Plate (For Ringless Sockets)
6003 - Grey Plastic	CP-21
6116 - Clear Plastic	

Generator Interlock


K5815 - large QN with small frame Q
K5820 - large frame QN with large frame QN
K5830 - small frame Q to small frame Q

Disconnect Sleeve


M5-144
Do not use with lever bypass sockets

Anti-Inversion Clip


K4802

Isolated Neutral Kit

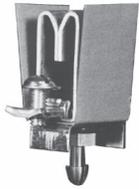

K1047
Consult factory for proper isolated neutral for meter sockets



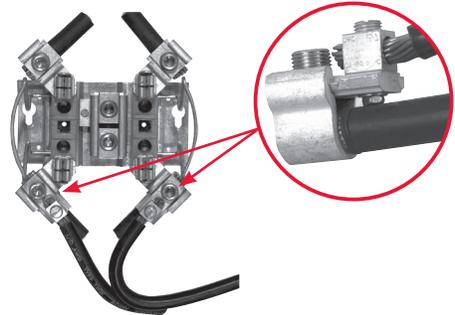
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Fifth Terminal, Tap Connectors and Block Assemblies

Fifth Terminal

		
5T8K2 - 100-200 Amp "Plug-In"	K5T - 200 Amp (Block with Square Hole)	K3865 - Heavy Duty Jaw Clamping (K3866 without Neutral Wire)

Tap Connectors (3 per set)

	Replaces the load or line side slide-in nut assembly on Milbank 200 amp sockets. Allows for a 100 amp tap location in addition to the #6-350 kcmil load-side connector. K5022 includes safety barrier extensions for applications over 300 VAC. Three lugs per kit.
K4977-INT - Internal Hex	
K4977-EXT - External Hex	
K5022-INT - Internal Hex (set of 4 w/ barrier)	

Triplex Ground


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

100 Amp Blocks *(single sockets only)*


BL7474 - Block Assembly
BL7499 - Horn Bypass Block Assembly
Z904486-AO - Slotted Nut Assembly
Z903274-AO - Horn Bypass Nut Assembly
Z802965-AC - Neutral without Nut
Z901925-AC - Hex Nut Set Screw

200 Amp Blocks *(single sockets only)*


K4527 - Internal Hex Block Assembly (w/ meter support)
K4528 - External Hex Block Assembly (w/ meter support)
K4529 - Internal Hex Horn Bypass Block Assembly (w/ meter support)
K4530 - External Hex Horn Bypass Block Assembly (w/ meter support)
Z916265-AO - Internal Nut Assembly
Z916264-AO - External Nut Assembly
Z814898-AC - Neutral without Nut

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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.



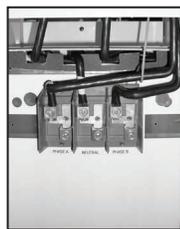
Strut and Backboard



Commercial Pedestal

UL Listed as Industrial Control Equipment (File E113855)**Standard Features**

- NEMA Type 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).



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Power Distribution & Controls

47

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

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CP3B "ML" Series

Main Load Center Series

1Ø3 wire 120/240V or 208Y/120V

Application: remote site service for multiple loads

The **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.
- Load center has 16 positions for the 100 amp pedestals and 24 circuits for the 200 amp pedestals.
- Both sizes include sub-feed lugs to allow feeding an external panel.

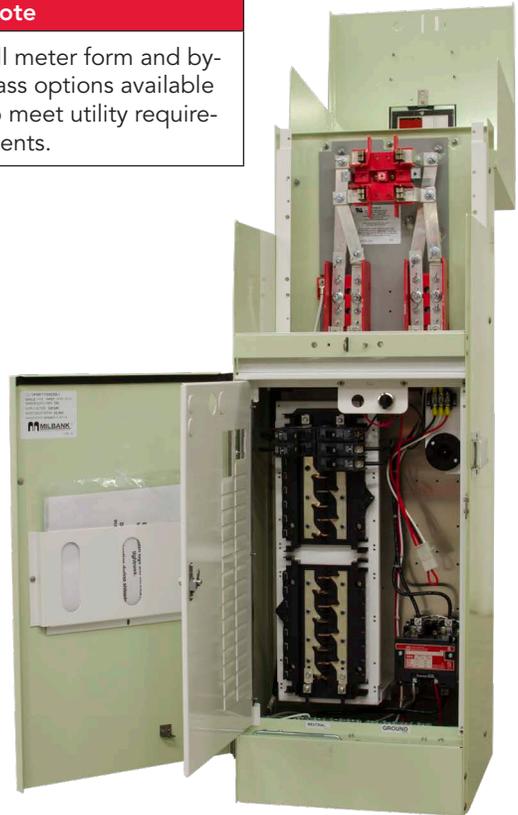
If your application requires turning loads on based on "dusk-to-dawn" requirements, be sure to see the Milbank Switched Load Center Commercial Pedestal products on the following page.

Features

These units include everything required for remote site service:

- NEMA 3R construction.
- Expandable: load centers allow for future expansion without costly modifications.
- All units feature 200 amp meter socket with optional field installable fifth terminal 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 amp model) or 14 (100 amp model) blank breaker spaces and a circuit directory to document configuration.

Note
All meter form and bypass options available to meet utility requirements.



CP3B11115A22

Typical Applications
Remote site service for multiple loads.

Stocked Pedestals*	Optional Fifth Terminal Kit	Main CB		Load Center Circuits	Meter Socket Type
		Amp	Spaces		
CP3B51115A22	K3865	100	1,2	16	Ringless socket with lever bypass
CP3B52119A22	K3865	200	1,2,3,4	24	Ringless socket with lever bypass

Notes

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.



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Commercial Pedestals

Switched Load Center Series | Custom Designs Available

CP3B "SL" Series

Switched Load Center Series
1Ø3 wire 120/240V or 208Y/120V

Milbank's Switched Load Center Commercial Pedestals are 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.

Note
All meter form and by-pass options available to meet utility requirements.



CP3B1110A22SL1

Features

These units include everything required for remote site service:

- NEMA 3R construction.
- Expandable: load centers allow for future expansion without costly modifications.
- All units feature 200 amp meter socket with optional field installable fifth terminal 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-and-play" 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 amp model) or 11 (100 amp model) blank breaker spaces and a circuit directory to document configuration.

Typical Applications
Traffic signals, parking lots, highways and athletic field lighting

Stocked Pedestals*	Optional Fifth Terminal Kit	Main CB		Contactor amperage	Meter Socket Type
		Amp	Spaces		
CP3B51110A22SL1	K3865	100	1,3	60	Ringless socket with lever bypass
CP3B52110A22SL1	K3865	200	1,2,3,4	100	Ringless socket with lever bypass

Notes

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.

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CP3B1411JB22

Typical Applications

Remote site service for residential and commercial job sites.

Milbank's 400 Amp Commercial Pedestal is 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.

- Choice of a single main breaker or twin service disconnect breakers gives flexibility to the pedestal design.
- Optional distribution with feed-thru 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 side or other remote area. The pedestal can also provide power to secondary residence, on-site business, workshop, irrigation, lighting, security or other secondary load.
- Available in custom colors to match home or landscaping.

Features

These units include everything required for remote service:

- Type 3R construction
- Main circuit breaker or dual service disconnects
- Expandable: load center units 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
- A 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

Standard Pedestals*	Optional fifth Terminal Kit	Main CB	Load Center Circuits	Meter Socket Type
CP3B54120B22	K3865	2-200 amp	(2) 12 circuit ¹	Ringless with lever bypass
CP3B5411JB22	K3865	320 amp (400 max)	0	Ringless with lever bypass

Notes

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.
- Stud utility landing is standard. Lug kits are available from factory.
- Units with load centers have (2) #6-250 sub-feed lugs on each load center. (Each load center is 200 amp rated and UL Listed with: Siemens, General Electric and Cutler-Hammer plug-in style circuit breakers.)



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Commercial Pedestals

CP3B "IR" Irrigation Control Series



CP3B0281UMWIR04

Milbank's "IR" Series Irrigation Pedestals install quickly and simply – often in less than an hour with a single technician—a fraction of the time typically needed for strut farm and other installation set ups. Additionally, the pedestal comes pre-wired, so the technician simply drops in the pre-drilled concrete box pad, fastens the pedestal and runs the wires. Prewired landing lugs are provided in a separate utility side so that there is no more need to wrestle with hard-to-bend wires. Simply run the utility wire up and land on the lugs. With both the motor starter and disconnect in the same enclosure, all the controls are housed in a safe, lockable pedestal that protects against vandalism and energy theft.

Features

- 3Ø4W, 480Y/277 volt
- One technician can install in under an hour with use of Milbank's pre-drilled box pad
- All units are UL listed and service entrance rated
- Fused disconnect with accessible handle through the deadfront
- HOA and push button start
- Separate accessible utility side with pre-wired landing lugs
- NEMA rated starters (sizes 1-5)
- Soft start units sizes 30HP-150HP
- 30 amp fuse block for pivot pre-wired in the unit
- White powder coated paint finish helps keep components cooler
 - Options include:
 - Hour meter
 - Chemical injection receptacle
 - Multiple injection receptacle
 - Multiple 30A fuse blocks possible

Typical Applications

Power pedestal for irrigation systems or other pump control applications.

Stocked Pedestals	Exterior Cabinet	NEMA Rating
CP3B0281UMWIR04	White	4
CP3B0281UMWIR03	White	3
CP3B0181UMWIR02	White	2

Notes

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CP3B5111TCAWSP1

Typical Applications

Metered emergency uninterrupted power for traffic intersections, wireless, phone and communications equipment, parking lots, camera and security locations

Milbank's BBS Series Commercial Pedestals are designed to provide battery backup power for various loads, and to switch specific loads on and off under certain conditions; a photoelectric cell or time clock to control lighting circuits, as an example. Metered and non-metered power distribution options are available. The back-up power pedestal is designed to handle the vast majority of today's back-up power requirements. By using 19" rack design, shelves can be adjusted to accommodate the required batteries and manufactures DC to AC inverters, transfer switches and other related equipment. This design gives the user a wide range of design and configuration options. Complete turnkey, ready to power-up pedestals are offered along with basic units ready to accept batteries and inverters supplied by others.

Features

- Type 3R construction
- 100 through 320 amp meter socket 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
- Battery trays
- Thermostat with cooling fan
- Filtered louvers for heat rise flow through ventilation
- Three point door latch (key or pad lockable)

Options

- Manual bypass switch
- Transfer switch for generator power back-up
- Generator inlet receptacles 30A through 200A
- Pad lockable provision for receptacles
- Police access door
- Metered load center distribution
- Non metered load center distribution
- Photo electric controls (for street lighting)
- Time clocks
- HOA switches
- Contactors
- GFI duplex receptacles
- Thermostat for heating control
- Heating pads or elements
- Roll out shelves for batteries
- Surge arrestors and lighting arrestors



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Commercial Pedestals

CP3B "Power Transfer" Series



Milbank's Power Transfer Series Pedestals provide non metered AC power, distribution, surge suppression, mechanical interlock and stand-by generator receptacle—all in a neat, compact pedestal.

Features

- 120/240V 1Ø3W thru 277/480V 3Ø4W ratings
- Metered or unmetered units
- Choice of EUSERC ring type or ringless meter sockets
- 60 amp thru 400 amp ratings
- UL Listed Type 3R rated
- Pad lockable, isolated utility compartments
- 20 amp GFI 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



Typical Applications

Traffic intersections, cell sites, cable TV, pump and lift stations requiring utility power with backup generator power

Typical Applications

Traffic intersections, cell sites, cable TV, pump and lift stations requiring utility power with backup generator power

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Milbank's CT Metered Series

Commercial Pedestals are designed to be used where a smaller service package would be a better choice over large 3R rated combination switchboards. These pedestals have amperage ratings of 400 to 800 amps at voltages up through 480 volt three phase.

Features

- UL Listed, freestanding Type 3R service
- A low profile CT pedestal
- All utility equipment is isolated in separated pad lockable and sealable compartments
- Separate customer compartment designed to hold distribution and control equipment
- Dead front customer construction
- Optional mounting base
- Optional construction in steel, aluminum and stainless steel.
- Wide choice of powder paint colors

Typical Applications

Large homes, pumping and lift stations, motor control, water treatment plants, EV charging stations, commercial buildings, large remote service requirements, commercial and industrial control systems



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Commercial Pedestals

55

CP3A "Slimline" Series



Milbank's Slimline Series Commercial Pedestals provide a sleeker, smaller footprint and wireway access on the side of the unit rather than the back, allowing maximum flexibility to place the pedestal in tighter spaces.

Features

- UL Listed as service equipment
- 100 or 200 amp
- Vandal-resistant, secure and attractive design
- Customer compartment with distribution and control equipment with swing dead front 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
- Small footprint
- Wireway located on left side of pedestal for utility incoming wire, allowing pedestal to be mounted with back very close to a wall (14")
- Available in 12" and 20" widths and 50" and 63" (metered) and 43" (nonmetered) heights
- Includes a print pocket for plans and drawings
- 200 amp main available
- Voltage range: 120V–480V
- Compatible with both ringless and ring type meter sockets, 4–7 terminals
- Available in a wide array of colors, including but not limited to 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, raw, anodized or powder-coated aluminum and stainless steel exterior options

"Slimline" Series Direct Bury Extension



- No need for concrete
- Bolts directly to unit
- Easy, modular design
- Ships in a smaller package
- Increases project flexibility
- Easier to handle and install
- Utilizes a stabilizer foot to prevent leaning over time
- Pedestal and extension can be installed within 30 minutes

Notes

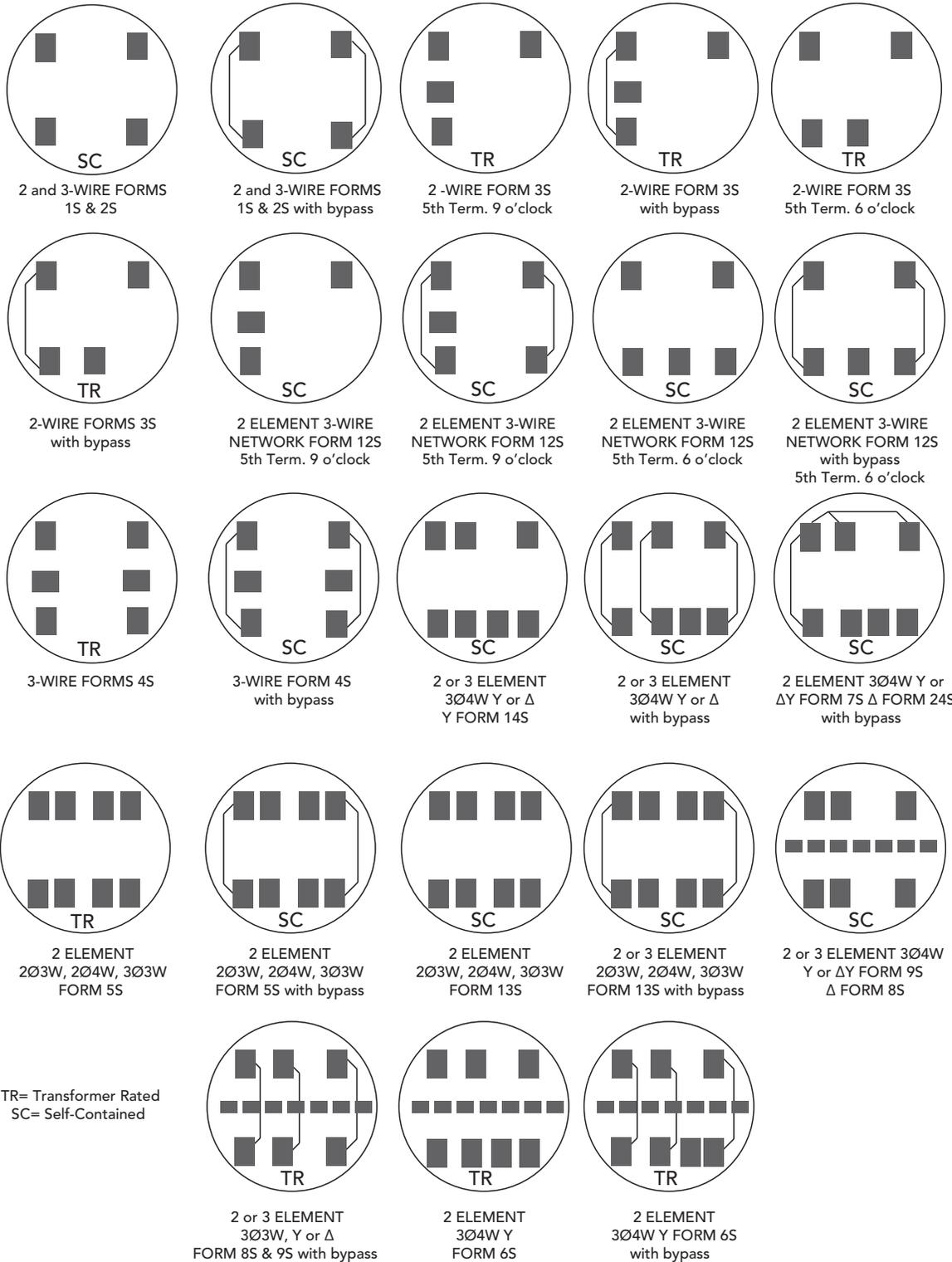
- Currently only built in 14 gauge steel
- Only available for 12" pedestals

Typical Applications

Roadway lighting and signage, wastewater treatment facilities, parks and landscaping, and any application where physical space is at a premium

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Meter Forms

Reference Information

DIAGRAM A
1Ø2W with 1 P.T.'s and 1 C.T.
Single Stator Meter(2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

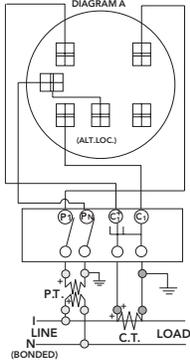


DIAGRAM B
1Ø3W with 1 C.T.
Single Stator Meter (2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

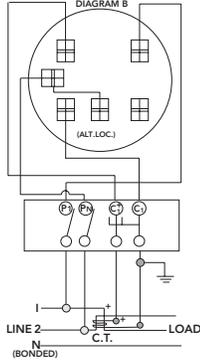


DIAGRAM C
1Ø3W with 2 C.T.'s
Single Stator Meter (3W1Ø) - Form 4S
6T Socket, Test Switch #TS07-0105

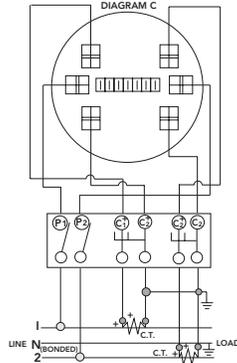


DIAGRAM D
1Ø3W or 3W Network with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

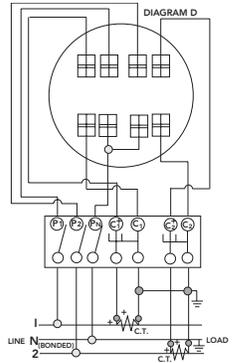


DIAGRAM E
3Ø3W "A" with 2 P.T.'s and 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

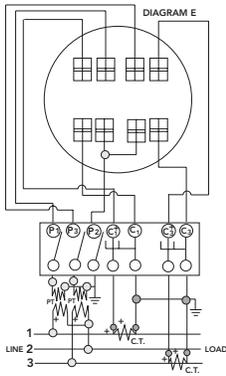


DIAGRAM F
3Ø3W "A" with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

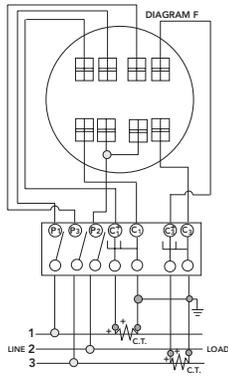


DIAGRAM G
3Ø4W "Y" with 3 C.T.'s
2 ½ Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

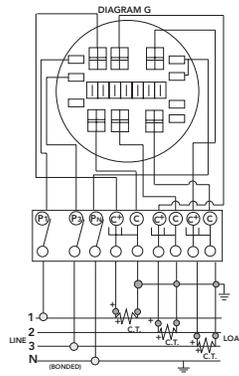


DIAGRAM H
3Ø4W "Y" with 2 P.T.'s and 3 C.T.'s
2 ½ Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

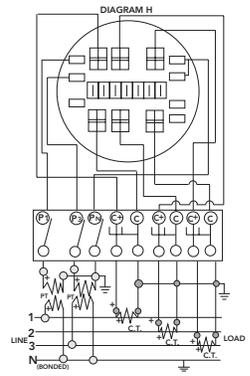


DIAGRAM I
3Ø4W "Y" or "A" with 3 C.T.'s
"Y" 3 Stator Meter - Form 9S
"A" 2 Stator Meter - Form 8S
13T Socket, Test Switch #TS10-0109

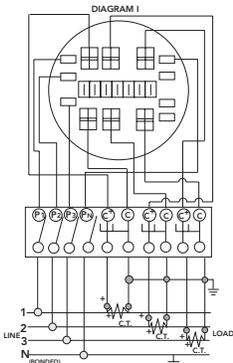
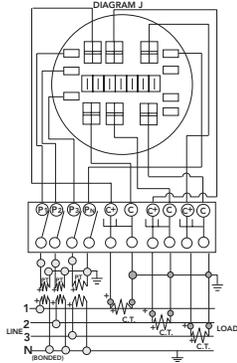


DIAGRAM J
3Ø4W "Y" with 3 P.T.'s and 3 C.T.'s
3 Stator Meter - Form 9S
13T Socket, Test Switch #TS10-0109



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.

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MAXIMUM NUMBER OF CONDUCTORS IN CONDUIT

Table from 2008 NEC Code Reference: Rigid Metal Conduit

Type	Conductor Size (AWG/kcmil)	Conduit Trade Sizes (Inches)									
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
THHN, THWN, THWN-2	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
	4	1	2	4	7	10	16	23	36	48	62
	3	1	1	3	6	8	14	20	31	41	53
	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	
XHH, XHHW, XHHW-2	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
	2/0	0	1	1	2	3	6	9	13	18	23
	4/0	0	1	1	1	2	4	6	9	12	16
	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.

SAMPLE RATING LABEL

CATALOG NUMBERS U5952 & U5953
100A MAXIMUM, 120/240 VAC SINGLE PHASE, THREE WIRE
RAINFOOF NEMA TYPE 3R

SHORT CIRCUIT CURRENT RATING IS 10,000 RMS SYMMETRICAL AMPERE AT 240 VAC MAXIMUM, BUT IS LIMITED TO THE LOWEST SHORT CIRCUIT CURRENT RATING OF ANY INSTALLED CIRCUIT BREAKER. WATTHOUR METER NOT INCLUDED IN SHORT CIRCUIT CURRENT RATING. REPLACEMENT CIRCUIT BREAKER MUST BE THE SAME TYPE AND RATING. USE SIEMENS CP, QT; CUTLER-HAMMER CP, BD, BR; SQUARE D HOMELINE; G.E. TG, THQ, THQL.

LINE NEUTRAL LOAD NEUTRAL GROUND

SUITABLE FOR USE AS RECREATIONAL VEHICLE SITE SUPPLY EQUIPMENT

UNDERGROUND FEED ONLY

ON TRIP OFF

TO RESET BREAKER MOVE TO "OFF" THEN TO "ON"

DANGER
HAZARD OF ELECTRICAL SHOCK OR BURN
TURN OFF POWER

SUPPLYING THIS EQUIPMENT BEFORE WORKING INSIDE

WIRE TERMINAL INFORMATION USE AL-CU CONDUCTORS			SHIPPING TENDS TO LOOSEN BOLTED CONNECTIONS. CHECK AND TIGHTEN ALL HARDWARE BEFORE ENERGIZING UNIT
TERMINAL	WIRE RANGE	TORQUE LB-IN	
LINE AND LINE NEUTRAL	350 KCMIL - #6	250	SIZE OF FIELD INSTALLED CONDUCTORS SHALL BE 60° OR 75° C SIZED TO 60° C RATING FOR 110 AMPS OR LESS AND 75° C SIZED TO 75° C FOR 125 AMPS AND ABOVE
GROUND CONNECTOR	2/0 AWG - #14 AWG	120	
LOAD NEUTRAL SLOTTED HEAD	(LARGE HOLE)	14 - 10 8 6 - 4	35 40 45
	(SMALL HOLE)	3 - 1/0	50
		14 - 10 8 6	25 25 35

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

A		AL or **CU-Clad AL	
A	B	A	B
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:
FEPW, RH, RHW, THW, THWN, XHHW, USE, 2W.
 **C = Ampere Rating for Insulation Types:
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 NEC. 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 UL-Listed gang sockets meet or exceed these diversity factor/demand and factor requirements. Standard overall ampacity ratings for UL-Listed and non-UL-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.



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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 Size	Joint Description		Head Type	Torque (Inch Lbs.)
	Screw	Nut		
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

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Materials

Steel Quality

The meter equipment listed in this catalog is made of galvanized steel (AISI* G90) to maximize weather resistance.

*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 and 6063-O

Aluminum Sheet

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

Copper Sheet and 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 your local Milbank Manufacturers' Representative.

Metal Fasteners

Zinc-coated with a chromate dip.

Ratings and Compliance

All Milbank electrical enclosures in this catalog are rated NEMA 3R enclosure unless otherwise specified on individual product pages. 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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