

MILBANK[®]
ENERGY AT WORK



Consolidated Edison Orange & Rockland

Meter Mounting Equipment



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 more than 90 years of expertise in electrical engineering design and manufacturing, Milbank's portfolio includes metering equipment, enclosures and enclosed controls. Founded in 1927, Milbank is a family-owned, American manufacturer headquartered in Kansas City, Mo. For more information, please visit milbankworks.com.

METERING



As a market leader in electrical metering equipment, Milbank has set the standard for quality since 1927. Hundreds of configurations are available, including many sizes, knockout configurations, terminal configurations, bypass options, 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, wireway, and troughs. Built with high-quality craftsmanship and materials which meet or exceed industry standards, Milbank enclosures are made to protect controls and equipment from dust, dirt and other harmful elements found in a wide variety of environments based on various NEMA rating Milbank offers.

ENCLOSED CONTROLS



Milbank doesn't just build empty enclosures. We can deliver the entire package, complete with custom control equipment built to your exact specifications by our engineers. Milbank commercial pedestals are an attractive, secure, easy to install and cost-effective solution when underground remote site power distribution and control equipment is required, replacing unsightly and inefficient strut and backboard structures.



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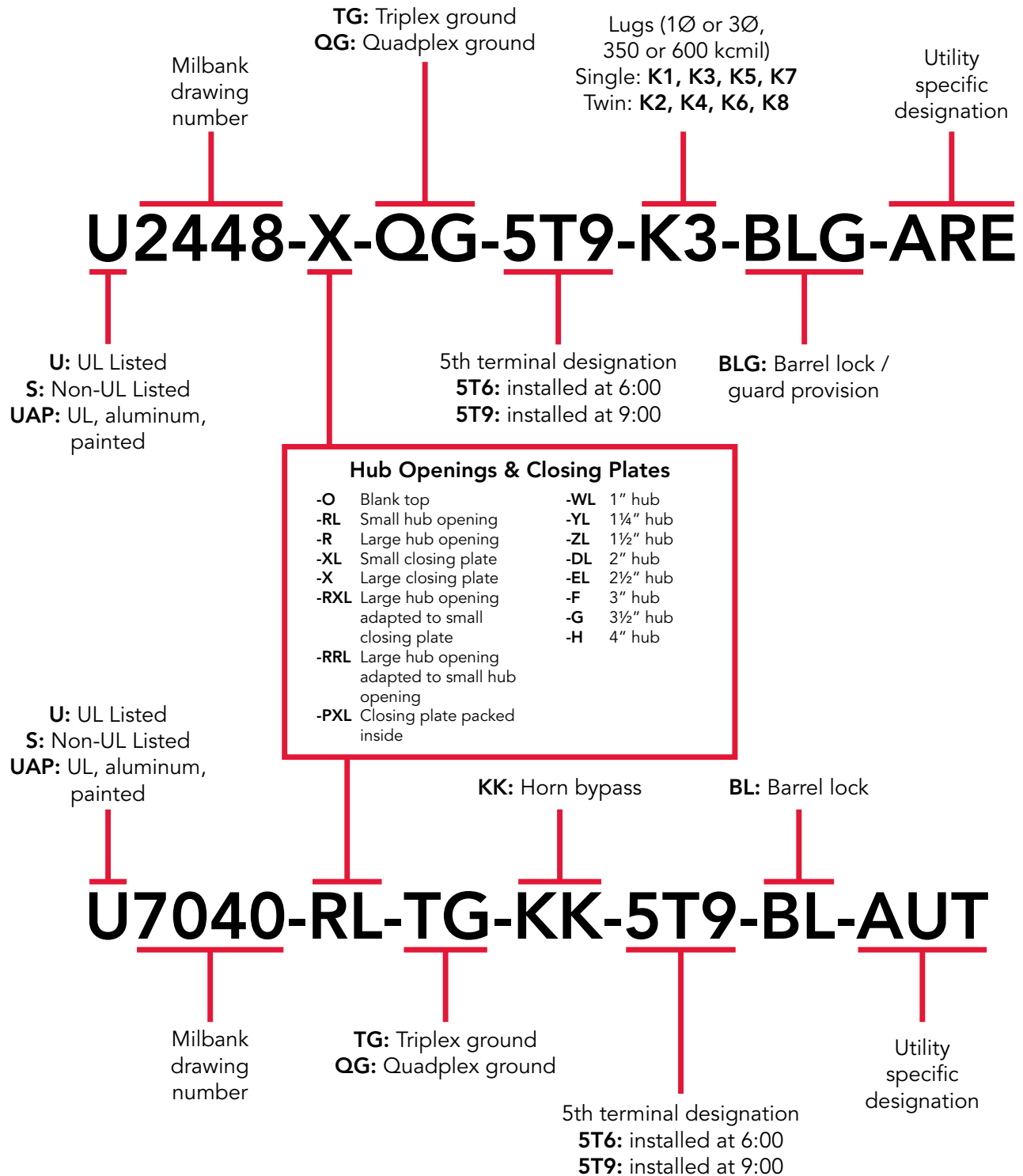
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Catalog Number Logic

How our product catalog numbers are derived



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Air Conditioner Disconnects

30-60 Amps | Fusible & Non-Fusible

5
AC
DISCONNECTS



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 Amps | 1Ø 240 VAC | Air Conditioner Disconnects

Catalog Number	Amps	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	2⅛	5	7	60°/75°	60°/75°
U3862	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	2⅛	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

20 Amps GFCI Receptacle



U3822-20GWR

Specifications

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

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

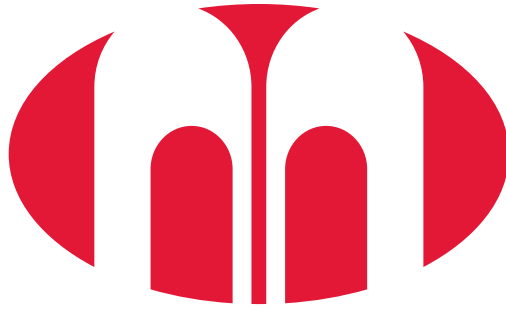
Catalog Number	Type	Max H.P.	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions			Wire Rating	
				CU	AL		D"	W"	H"	CU °C	AL °C
U3822-20GWR	Non-Fusible	10	6	#14-#2	#12-#2	#14-4	4½	5¼	7½	60°/75°	60°/75°

Notes

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



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ENERGY AT WORK

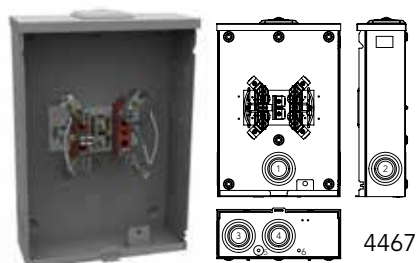


Consolidated Edison

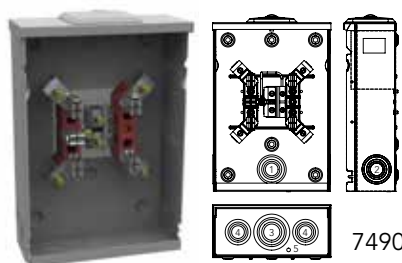
Meter Mounting Equipment

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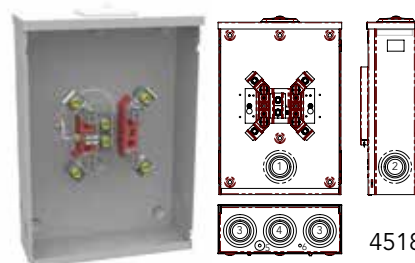




U4467-XL-KK-BLG



U7490-XL-TG-5TW



U4518-XL-TG-5TW

125 Amps | 5 Terminal | Ring Type

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U7490-XL-TG-5TW	125	OH/UG	C.P.	#6-2/0 kcmil	#6-2/0 kcmil	None	3 ⁵ / ₁₆	8	11 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂	2	1 ¹ / ₄	1 ¹ / ₄	–

Notes

- **Factory Installed Fifth Terminal:** Includes factory installed fifth terminal in 9 o'clock position.
- **Sealing Ring:** Includes MR-2 snap type sealing ring.
- **Isolated Neutral:** for an isolated neutral kit order catalog number **K5709**.

150 Amps | 5 Terminal | Ringless

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U4467-XL-KK-BLG	150	OH/UG	C.P.	#6-2/0 kcmil	#6-2/0 kcmil	Horn	4 ¹ / ₈	11	15 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

Notes

- **Insulated Neutral:** For field installed insulated neutral order as extra catalog number **K4474**.
- **Connectors:** Extruded aluminum connectors are tin plated. Units are supplied with neutral connectors for both line/load.
- **Factory Installed Fifth Terminal:** Includes factory installed fifth terminal in 9 o'clock position.

200 Amps | 5 Terminal | Ring Type

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U4518-XL-TG-5TW	200	OH/UG	C.P.	#6-350 kcmil	#6-350 kcmil	None	4 ¹ / ₈	11	15 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

Notes

- **Factory Installed Fifth Terminal:** Includes factory installed fifth terminal in 9 o'clock position.
- **Sealing Ring:** Includes MR-2 snap type sealing ring.



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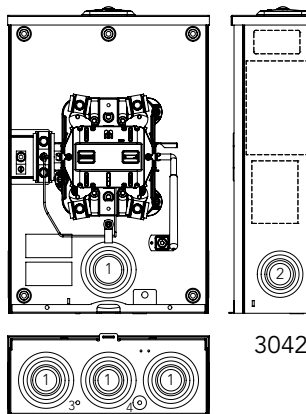
Single Position

200 Amps | Ringless | 5 & 7 Terminal | Lever Bypass

9
SINGLE
POSITION



U3042-XL-QG-BLG-LIS



3042



U1854-XL-QG-BLG-LIS

Consolidated Edison

200 Amps | 5 Terminal | Ringless | 1Ø3W OR 3Ø3W

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U3042-XL-QG-BLG-LIS	200	OH/UG	C.P.	#6-350 kcmil	#6-350 kcmil	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	3	3	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Bypass:** Lever on the 3042 supplies clamping action on meter spades and also operates bypass device.
- **Insulated Neutral:** For field installed insulated neutral order as extra catalog number **K1047**.
- **Barrel Lock (-BLG):** Has provision for barrel lock with guard.

200 Amps | 7 Terminal | Ringless | 3Ø4W

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U1854-XL-QG-BLG-LIS	200	OH/UG	C.P.	#6-350 kcmil	#6-350 kcmil	Lever	4 ⁷ / ₈	13	19	3	2 ¹ / ₂	3	3	1 ¹ / ₄ , 1 ¹ / ₂	1 ¹ / ₄

Notes

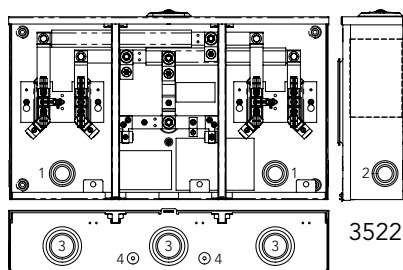
- **Hubs:** For proper hub selection see the hub suffix chart on the accessory page.
- **Bypass:** Lever supplies clamping action on meter spades and also operates bypass device.
- **Insulated Neutral:** For field installed insulated neutral order as extra catalog number **K1047**.
- **Barrel Lock (-BLG):** Has provision for barrel lock with guard.

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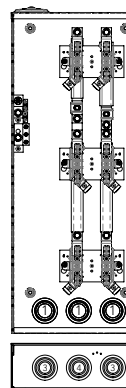




U3522-XL-5T-K1-BLG



3522



4383



U4383-XL-5T-BLG

3, 4 & 5 Position | 100 Amps per Position | Continuous | 5 Terminal | Ring-Type

Catalog Number	No. of Pos.	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U5713-XL-5T-K3-BLG	3	OH/UG	C.P.	#4-600kcmil (2) 1/0-250kcmil	#6-2/0	None	4½	39½	14	1½	1½	2½	¼, ½	–	–
U5714-XL-5T-K3-BLG	4	OH/UG	C.P.	#4-600kcmil (2) 1/0-250kcmil	#6-2/0	None	4½	49½	14	1½	1½	2½	¼, ½	–	–

2 Position | 125 Amps per Position | Continuous | 5 Terminal | Ring-Type

Catalog Number	No. of Pos.	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U3522-XL-5T-K1-BLG	2	OH/UG	C.P.	#6-350 kcmil	#6-2/0	None	4½	24½	14	1½	1½	2½	2½	¼, ½	–

Notes

- **Sealing Rings:** Ring type units are supplied with **MR-4** screw type sealing ring as standard.

2 & 3 Position | 100 Amps per Position | Continuous | 5 Terminal | Ring-Type

Catalog Number	No. of Pos.	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U4382-XL-5T-BLG	2	OH/UG	C.P.	#6-250 kcmil	#6-2/0	None	4¼	12	21½	2	–	2	2	–	–
U4383-XL-5T-BLG	3	OH/UG	C.P.	#6-250 kcmil	#6-2/0	None	4¼	12	31½	2	–	2	2	–	–

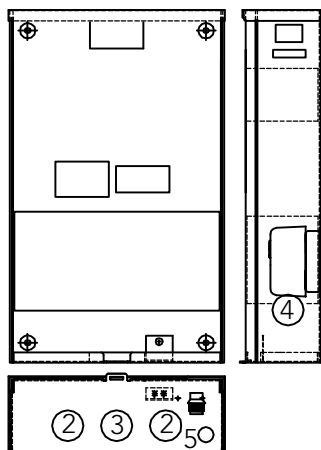
Current Transformer Rated

20 Amps | 13 Terminal | Transformer Rated | Ringless

1 1
CURRENT
TRANSFORMER
RATED



UC4718-O-21-BLG
(Shown with Milbank
test Switch, but comes
prewired)



UC4660-O-21-BLG
(Shown with Milbank
test Switch, but comes
prewired)

Consolidated Edison

20 Amps | Ringless | 13 Terminal | Transformer Rated Socket

Catalog Number	No. of Terms	Hub	Connector CU	Volts	Bypass	Dimensions			Knockouts					
						D"	W"	H"	1	2	3	4	5	6
UC4718-O-21-BLG	13	None	#14 - #2 MAX	120/208 120/240	None	4 7/8	12	20	-	1 1/4	1 1/4	1 1/4	1/4, 1/2	-
UC4660-O-21-BLG	13	None	#14 - #2 MAX	277/480	None	4 7/8	12	20	-	1 1/4	1 1/4	1 1/4	1/4, 1/2	-

Notes

- **Barrel Lock (-BLG):** Has provision for barrel lock with guard.
- **One-piece cover:** The **4718** and **4660** both have one-piece covers.
- **Prewire:** Both **4718** and **4660** are factory prewired.

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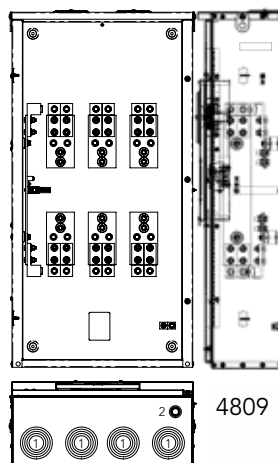




U4808-X-21-BLG



4808



4809



U4809-X-21-BLG

Catalog Number	Amps	Volts	Per Phase	Dimensions			Knockouts	
				D"	W"	H"	1	2
U4807-X-21-BLG	400	277/480	single #4-600kcmil	21	41	10	4	1¼
U4808-X-21-BLG	400	120/208	single #4-600kcmil	21	41	10	4	1¼
U4809-X-21-BLG	800	277/480	dual #4-600kcmil	26	51	10	4	1¼
U4810-X-21-BLG	800	120/208	dual #4-600kcmil	26	51	10	4	1¼

- 200/400 or 400/800 Amps maximum, 600 VAC
- 3Ø4W
- Type 3R weather resistant enclosure
- Prewired from top of test switch to meter socket base. Wiring "pig tail" provided from bottom of test switch into CT compartment (to be completed at time of CT installation)
- Ringless metering enclosure is totally isolated from CT compartment
- Lugs provided, rated single 600 kcmil - #4 awg
- Cabinets are constructed from G90 galvanized steel
- Tin plated bus bar is mounted on standoff insulators
- Right side of cabinets allow clearance for conductors
- Short circuit current withstand capability is 50K symmetrical amps
- Furnished with 1/2" - 13 studs, washers and hex nuts with conical sems for CT mounting

Service End Boxes

Indoor & Outdoor

13
SERVICE END
BOXES



INDOOR



10105



24128



OUTDOOR



10105



24128



301812

Indoor

Application

- Designed for use as a junction box or pull box
- For indoor use to provide protection against contact with enclosed equipment where moisture and dust are not a problem

Construction

- Enclosure and cover are manufactured from 16, 14, or 12 gauge steel
- Covers have teardrop slots for easy installation and are attached to body with plated screws
- Grounding emboss provided with green plated grounding screw
- Holes are incorporated into the back of enclosure for mounting

Finish

- ANSI 61 gray polyester powder coating inside and out unless otherwise specified

Outdoor

Application

- Designed for use as a junction box or pull box
- For outdoor use to provide protection against rain, sleet or snow, or indoors where dripping water is a problem

Construction

- Enclosure and cover are manufactured from 16, 14, or 12 gauge G90U galvanized steel
- The cover is designed to fit under the drip shield top, held in place with a plated steel screw
- Mounting embosses are provided on the back of each enclosure
- Sealing provisions on the front cover

Finish

- ANSI 61 gray polyester powder coating over phosphatized G90U galvanized steel
- Brooks barrel guard assembly packed inside and tied to barrel lock angle

Indoor / Outdoor Use	Catalog Number	Amps	Dimensions			Knockouts					
			D"	W"	H"	1	2	3	4	5	6
Indoor	SA-10105-SC1-SP1	100	5	10	10	3	2	1½	2	–	–
Indoor	SA-24128-SC1-SP1	200	8	24	12	4	3½	3½	4	–	–
Indoor	SA-301812-SC1-SP1	400	12	30	18	4	3½	3½	4	–	–
Outdoor	SA-10105-SC3R-SP1	100	5	10	10	–	–	1½	2	–	–
Outdoor	SA-24128-SC3R-SP1	200	8	24	12	–	–	–	–	–	–
Outdoor	SA-301812-SC3R-SP1	400	12	30	18	–	–	–	–	–	–

Accessories (contact factory):

- Replacement cover
- Touch-up paint
- Cylinder lock (outdoor only)

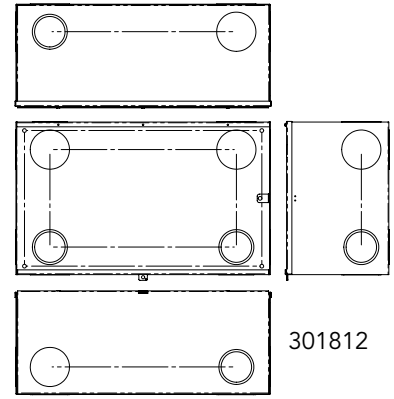
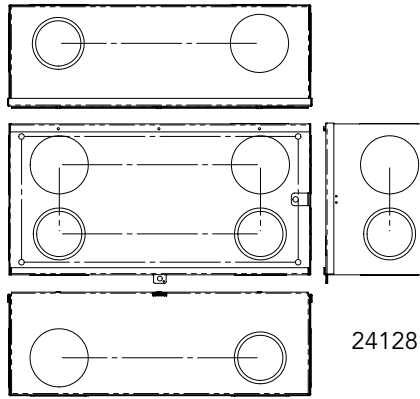
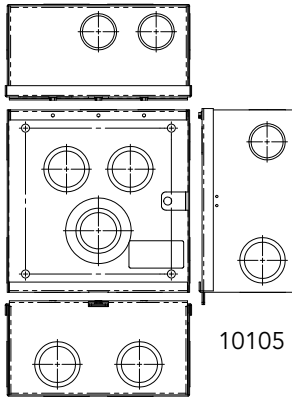
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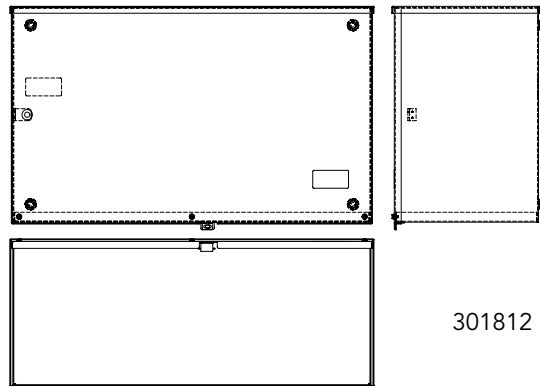
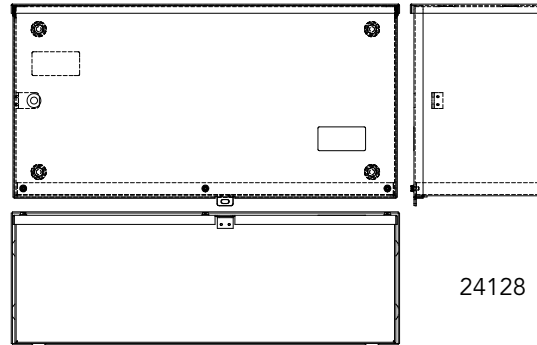
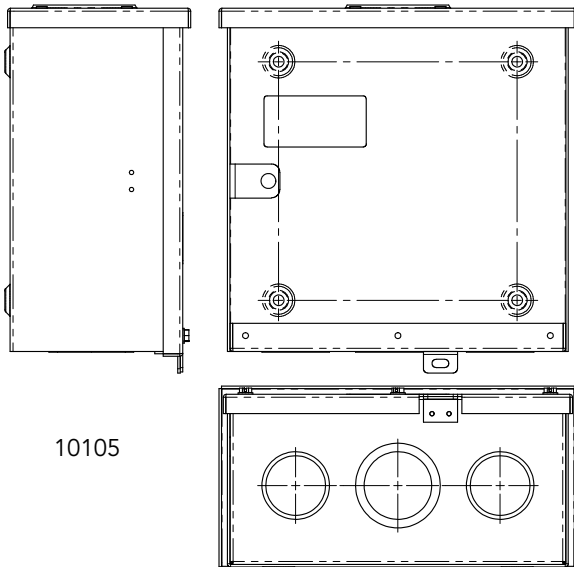
Service End Boxes

Indoor & Outdoor Knockout Information

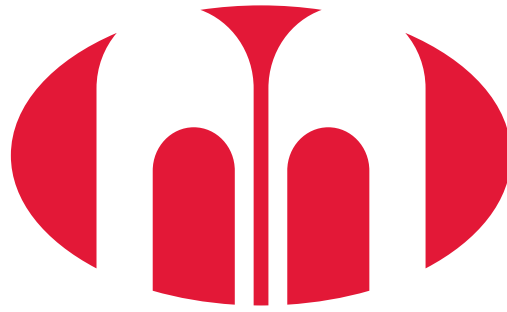
INDOOR



OUTDOOR



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Orange & Rockland

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16

SINGLE
POSITION

Single Position

100 & 200 Amps | 5 Terminal | Ringless



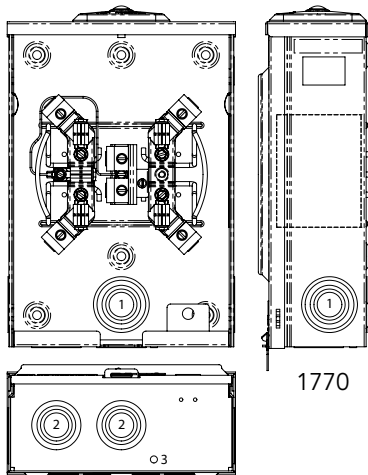
U1770-YL-TG-KK-BLG



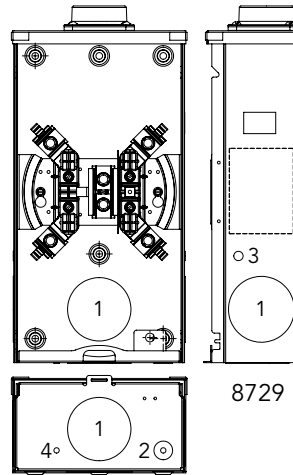
U8729-DL-KK-BLG



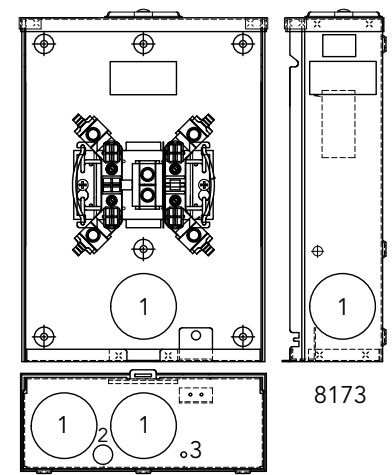
U8173-XL-KK-BLG



1770



8729



8173

100-200 Amps | 5 Terminal | Single Phase | Single Position

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U1770-YL-TG-KK-BLG	100	OH/UG	1¼"	#6-2/0	#6-2/0	Horn	3⅝	8	11½	1½	1¼	¼	-	-	-
U8729-DL-KK-BLG	200	OH	2"	#6-350 kmcil	#6-350 kmcil	Horn	4⅞	8	15½	2½	½	⅞	¼	-	-
U8173-XL-KK-BLG	200	OH/UG	CP	#6-350 kmcil	#6-350 kmcil	Horn	4⅞	11	15½	2½	½, ¼	¼	-	-	-



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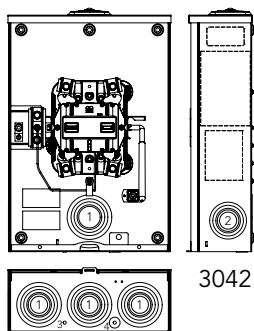
Single Position

200 & 320 Amps | 5 & 7 Terminal | Ringless

17
SINGLE
POSITION



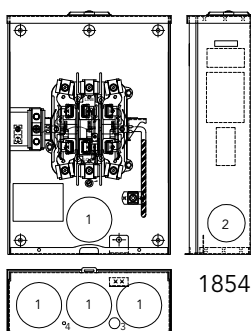
U3042-XL-QG-BLG-LIS



3042



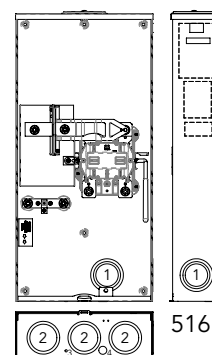
U1854-XL-QG-BLG-LIS



1854



U5161-X-2/K3L-5T9-BLG



5161

Orange & Rockland

200 Amps | 5 Terminal | Residential & Commercial | Single Phase | Single Position

Catalog Number	Amp	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U3042-XL-QG-BLG-LIS	200	OH/UG	CP	#6-350 kcmil	#6-350 kcmil	Lever	4 ²⁷ / ₃₂	13	19	3	2½	¼	½, ¼	-	-

Notes

- **Isolated Neutral:** For an isolated neutral for **U3042**, please order kit **K1047**.

200 Amps | 7 Terminal | Commercial | 3 Phase 4 Wire | Single Position

Catalog Number	Amp	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U1854-XL-QG-BLG-LIS	200	OH/UG	CP	350kcmil	350kcmil	Lever	4 ²⁷ / ₃₂	13	19	3	2½	½, ¼	¼	-	-

Notes

- **Isolated Neutral:** For an isolated neutral for **U1854**, please order kit **K1047**.

320 Amps | 5 Terminal | Residential | Single Phase | Single Position

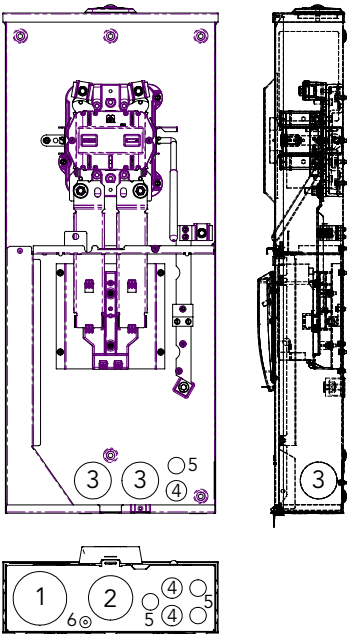
Catalog Number	Amp	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U5161-X-2/K3L-5T9-BLG	320	OH/UG	CP	#4-600 (2) 1/0-250kcmil	#4-600 (2) 1/0-250kcmil	Lever	4 ²¹ / ₂₅	15	31½	3	3	¼	½, ¼	-	-

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U5880-XL-200-5T9-BLG



200 Amps | 5 Terminal | Single Phase | Commercial | Single Phase | Single Position

Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U5880-XL-200-5T9-BLG	200	OH/UG	CP	#6-350kmcil	300kmcil	Lever	4½	14⅞	33½	3	2.5	2	1	½, ¼	½

Notes

- **Circuit Breaker:** This unit has a 200 Amps circuit breaker with a 300kmcil lug.



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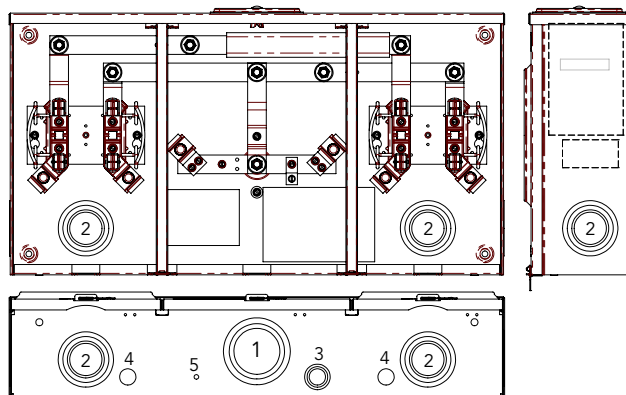
Multi-Position

200 Amps | Gang Socket | Single Phase | Ringless

19
MULTIPLE
POSITION



U1252-X-KK-K3-BLG



Orange & Rockland

200 Amps | Gang Socket | Residential | Single Phase | 2 Position


Catalog Number	Amps	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U1252-X-KK-K3-BLG	200	OH/UG	CP	#4-600	#6-350	Horn	5.13	26.5	14	3	2½	1	½	¼	-




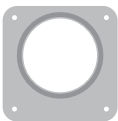
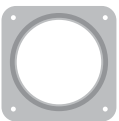

Notes

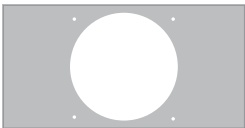
- **Barrel Lock (-BLG):** Has provision for barrel lock with guard.

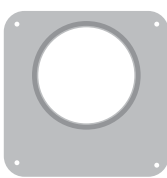
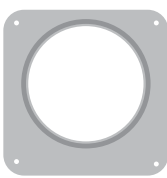
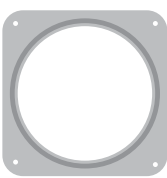
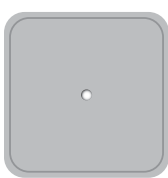
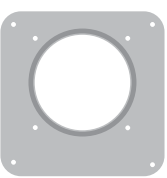
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-RL	-RXL
Small hub opening	Large hub opening

					
-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


-R
Large hub opening

				
-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

Enclosed Controls

Attractive | Easy to Install | Secure | Cost-Effective

21
ENCLOSED
CONTROLS

Milbank Enclosed Controls are pad-mounted, weather resistant electrical enclosures consisting of a utility pull section with optional meter socket, and a customer section containing distribution and control equipment. Commercial pedestals are an attractive, secure, easy to install and cost-effective solution when underground remote site power distribution and control equipment is required, replacing unsightly and inefficient strut and backboard structures.



Strut and backboard

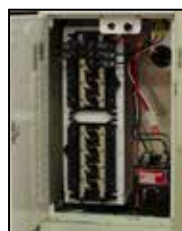


Commercial pedestal

UL Listed as Industrial Control Equipment (File E113855)

Standard Features

- 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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Applications

These units are ideal for controlling and metering:

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

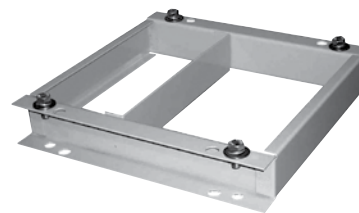
Available Factory-Installed Options

- Meter sockets: ring type or ringless, up to 400 Amps
- Main and branch breakers or T fuses
- Distribution: copper load centers and panel boards
- 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 arrestors
- Generator inlets with interlocked breakers
- Push button controls
- Thermostat controls, fans and heating strips
- Power blocks and terminal blocks
- Steel, aluminum and plywood backboards
- Transformers
- Interlock devices for circuit breakers

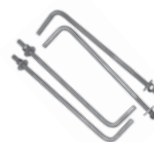
Options

- 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



Padmount 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 terminal kit for
use with ring type
meter sockets



K3865

Fifth terminal 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

Enclosed Controls

Surface-Mount Compact Design

23
SURFACE
MOUNT
ENCLOSED
CONTROLS

Surface-Mount Commercial Pedestal

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

**NEW
PRODUCT!**



Features

- Easy installation
- Overhead and underground entry and exit, all in one unit
- Meter and components in one enclosure
- UL508A & UL891
 - Custom component configurations
 - UL listing covers all internal components
- Can be mounted on multiple surfaces
 - Walls
 - Poles – narrow profile will have minimal extension past sides
 - H Frames (Strut)
- Multiple bypass options available
- Monitoring options available
- Can be powder coated in any Milbank standard EC colors or custom colors.



Benefits

- Does not take up sidewalk space
- Flood resistant
- Eliminates need for connecting components - Wire in - Wire Out

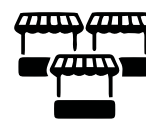
Applications



Communications
Power
Distribution



Lighting
Control



Streetscape
Power
Distribution

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Enclosed Controls

Main Load Center Commercial Pedestals

Main Load Center Commercial Pedestal

1Ø3 wire 120/240V or 208Y/120V

Application: remote site service for multiple loads

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

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

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

Features

These units include everything required for remote site service:

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



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Enclosed Controls

Switched Load Center Commercial Pedestals

25
SWITCH-LOAD
COMMERCIAL
PEDESTALS

Switched Load Center Commercial Pedestals

1Ø3 wire 120/240V or 208Y/120V

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

Features

These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth 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, contactor 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 Amps model) or 11 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.



Ringless Lever Bypass shown



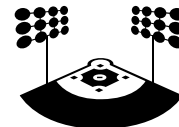
Traffic Signals



Parking Lots



Highways



Athletic Field Lighting

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Enclosed Controls

400 Amps Commercial Pedestals



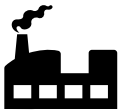
Designed to provide a weather and vandal resistant metered enclosure for various loads and distribution. Each pedestal has been designed to handle a wide range of applications using standard, stocked configurations.

- Choice of a single main breaker or twin service disconnect breakers gives flexibility to the pedestal design.
- Optional distribution with feed-through lugs below the service disconnect breakers allows the pedestal to handle numerous applications.
- Typical applications include remote homes where the metering is best located at the curb 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.
- Refer to page 18 for color options

Features

These units include everything required for remote service:

- 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



Commercial Job Sites



Remote Site for
Residential &
Commercial Job Sites

Enclosed Controls

Battery Backup Commercial Pedestals



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 unmetered 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 a 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

- 100 through 320 Amps 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)

Note

- May require customization based on regional requirements



Traffic Signals



Communications
Power Distribution



Parking Lots



Camera & Security
Locations

Options

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

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Enclosed Controls

Power Transfer Commercial Pedestals



Providing metered or unmetered AC power, distribution, surge suppression, mechanical interlock and stand-by generator receptacle — all in a neat, compact pedestal.

Features

- 120/240V 1Ø3W through 277/480V 3Ø4W ratings
- Metered or unmetered units
- Choice of EUSERC ring type or ringless meter sockets
- 60 Amps through 400 Amps ratings
- Pad lockable, isolated utility compartments
- 20 Amps 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

Note

- May require customization based on regional requirements



Traffic Signals



Pump & Lift
Stations



Communications
Power Distribution



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Enclosed Controls

CT Metered Commercial Pedestals

29
CT METERED
COMMERCIAL
PEDESTALS



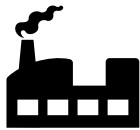
Designed to be used where a smaller service package would be a better choice over larger switchgear equipment, these pedestals have amperage ratings of 400 to 800 Amps at voltages up through 480 volt three phase.

Features

- Up to 800 Amps
- 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

Note

- May require customization based on regional requirements



Commercial &
Industrial Control
Systems



Pump & Lift
Stations



Water Treatment
Plants



Electric Vehicle
Charging Stations

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

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

Features

- 100 or 200 Amps
- 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 as close as 14" to walls or structures
- Available in 12" and 20" widths and 50" and 63" (metered) and 43" (unmetered) heights
- Includes a print pocket for plans and drawings
- Voltage range: 120V–480V
- Compatible with both ringless and ring type meter sockets, 4–7 terminals
- Refer to page 18 for color options
- Pedestal mounting base option saves time and labor to install on a cement pad—no anchor bolts required
- Powder coated G90 galvanized steel or aluminum; raw, anodized or powder coated, as well as stainless steel exterior options

Note

- May require customization based on regional requirements



Water Treatment
Plants



Highways



Parks &
Landscaping

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

and contractors alike. **It's constructed with 14 gauge steel and only available for 12" pedestals.**





NEMA Commercial Enclosures

Milbank's line of commercial enclosures includes the full gamut of styles and sizes; everything from junction boxes to transformer cabinets, telephone cabinets to wireway.

Type 1 Enclosures

Milbank's Type 1 enclosures are designed for indoor use to provide a degree of protection to personnel against access to hazardous parts and to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects, such as falling dirt.

Type 3R Enclosures

Milbank's Type 3R enclosures are designed for either indoor or outdoor use to provide a degree of protection from harmful effects on the equipment due to the ingress of water (rain, sleet, snow) and that will be undamaged by the external formation of ice on the enclosure.

Wireway

Milbank's wide range of wireway is available in many styles and sizes and its wide range of fittings allows it to smoothly transition to and from competitors' products.

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**UQFP
UQFPH**



**UQFP-M
UQFPH-M**



UQFB-X1



UQFB-X



UQFB

200 Amps Frame | Plug-In | 10,000 AIC & 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 Amps Frame | Bolt-On | 10,000 AIC & 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

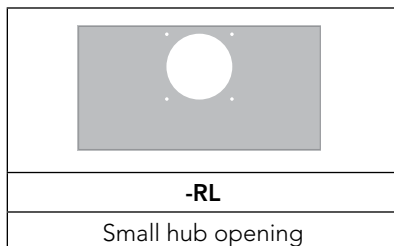
- **UL Listed:** For use with 60°C or 75°C wire.
- **UQFP:** For parallel main circuit breaker applications.
- **UQFP-M:** For series main circuit breaker applications Split load tab features allow for feed-through capability.
- **UQFB:** (2) 1/0-300 lugs provided on load and line side (cable-in, cable-out).
- **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.
- **UQFB-X-MOD:** Replacement circuit breaker with line barriers removed.









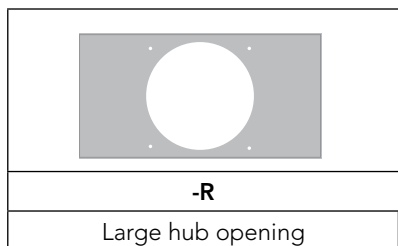
Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.


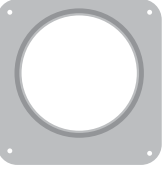
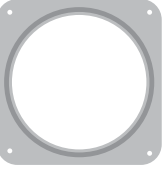
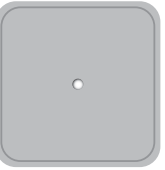
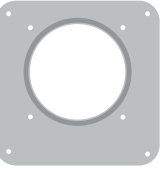
Accessories

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

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Connector Kits, Closing Kits and Sealing Rings



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


Bypass Link


K8180 (sold in pairs)



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

Sealing Rings

	
MR-2 - Snap Action	MR-4 - Screw Type (Stainless Steel)
MR2-SS - Stainless Steel	



Touch-Up Paint


A-GP - Light Grey

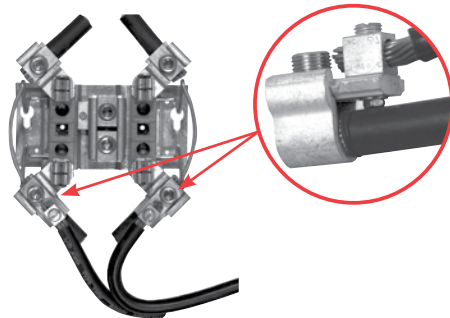
Accessories

Fifth Terminal and Tap Connectors

Fifth Terminal

			
5T8K2 - 100-200 amp "Plug-In"	K5T - 200 amp (Block with Square Hole)	K3865 - Heavy Duty Jaw Clamping (K3866 without Neutral Wire)	This is for the U2852-56 and U2862-66 Condo metering Banks (125-200 amp) K2381

Tap Connectors (3 per set)

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

Pedestal Extension Units

Catalog Number	D"	W"	H"
S8988	4½	8¾	15
S3488	6	11	15
S2571	4½	10	12
S1848	4¾	13	15
K4694	6	9	24
K5800	4¾	9	15


Isolated Neutral Kit


K1047*

Anti-Inversion Clip


K4802

Disconnect Sleeve


M5-144

Triplex Ground


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

*Isolated neutrals are specific to the meter socket. Consult factory for correct isolated neutral.

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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
XHH, XHHW, XHHW-2	4/0	0	1	1	1	2	4	6	9	12	16
	4	1	2	4	7	10	16	24	37	49	63
	2	1	1	3	5	7	12	17	26	35	45
	1/0	1	1	1	3	4	7	10	16	22	28
	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 US952 & US953
100A MAXIMUM, 120/240VAC SINGLE PHASE, THREE WIRE
RAINFROOF NEMA TYPE 3R

SHORT CIRCUIT CURRENT RATING IS 10,000 RMS SYMMETRICAL AMPERE AT 240VAC 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 GFCI/CUTLER-HAMMER OR, BO, BR, SQUARE D HOMELINE, G.E. TO, THQ, THQL.

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		
TERMINAL	WIRE RANGE	TORQUE LB-IN
LINE AND LINE NEUTRAL	350 KCMIL - #6	350
GROUND CONNECTOR	30 AWG - #14 AWG	120
LOAD NEUTRAL SLOTTED HEAD (LARGE HOLE)	14 - 10 8 6 - 4 3 - 1/0	36 40 45 50
LOAD NEUTRAL SLOTTED HEAD (SMALL HOLE)	14 - 10 8 6	20 25 35

SHIPPING TENDS TO LOOSEN BOLTED CONNECTIONS. CHECK AND TIGHTEN ALL HARDWARE BEFORE ENERGIZING UNIT

SIZE OF FIELD INSTALLED CONDUCTORS SHALL BE 80° OR 75° SIZED TO 80°C RATING FOR 110 AMPS OR LESS AND 75° SIZED TO 75°C FOR 125 AMPS AND ABOVE

* ALLOWABLE AMPACITIES OF INSULATED COPPER &

** 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)

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

GANG SOCKET OVERALL AMPACITIES

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

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



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Energization of Electrical Equipment

Important Information for Installers

Important Note

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

Before Energizing

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

When Energizing

1. Use caution and follow established safety procedures:
 - a) Wear safety apparel.
 - b) Use safety equipment.
 - c) Take action to prevent injury to yourself and others in the event of failure of the installation.
 - d) Take action to prevent/decrease damage to property in the event of failure of the installation.
 - e) If you are unsure how to safely energize the installation, get someone who is knowledgeable to do it.

After Energizing

1. Secure the installation:
 - a) To prevent accidental contact with energized parts, cover all openings with approved filler devices.
 - b) To prevent unauthorized access, secure all covers and/or doors with approved security devices.
 - c) 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 $\leq 1/8"$	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 afford the best possible weather proofing.
*American Iron and Steel Institute.

Steel Sheet

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

Aluminum Extrusion

Wire-Terminal: Alloy; 6061-T6, Tin-plated for CU/AL wire.
Bus Bar: Alloy; 6101-O & 6063-O

Aluminum Sheet

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

Copper Sheet & Bus

Electrolytic copper with tin plating in most applications.

Insulating Materials

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

Finish

Process

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

Metal Fasteners

Zinc-coated with a chromate dip.

Ratings & Compliance

Ratings & Compliance

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



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DIAGRAM A
1Ø2w with 1 P.T. & 1 C.T.
Single Stator Meter(2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

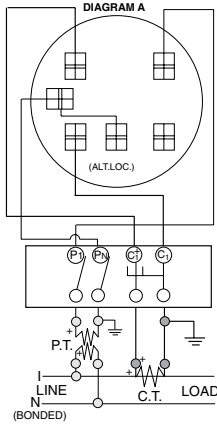


DIAGRAM B
1Ø3w with 1 C.T.
Single Stator Meter(2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

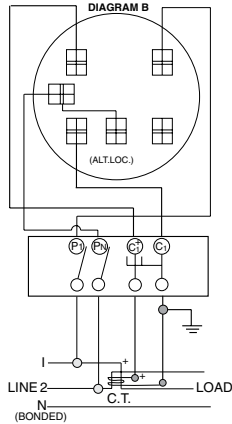


DIAGRAM C
1Ø3w with 2 C.T.'s
Single Stator Meter(3W1Ø) - Form 4S
6T Socket, Test Switch #TS07-0105

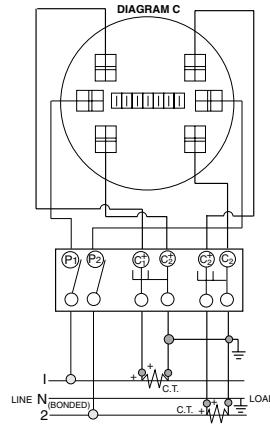


DIAGRAM D
1Ø3w or 3W Network with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

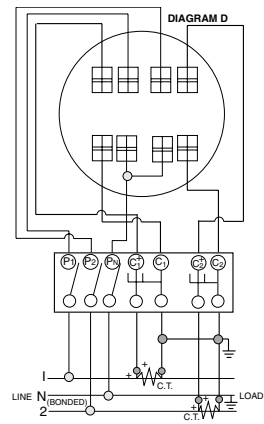


DIAGRAM E
3Ø3w "Δ" with 2 P.T.'s & 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

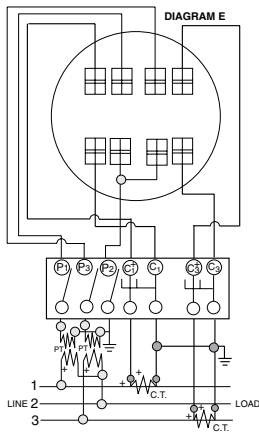


DIAGRAM F
3Ø3w "Δ" with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

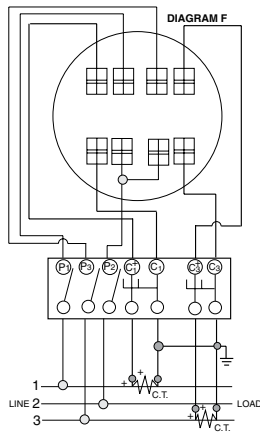


DIAGRAM G
3Ø4w "Y" with 3 C.T.'s
2 1/2 Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

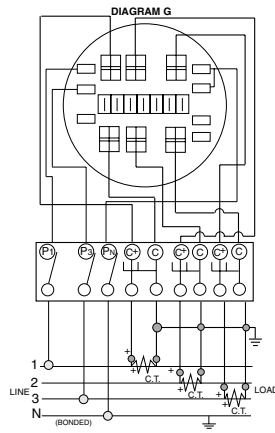


DIAGRAM H
3Ø4w "Y" with 2 P.T.'s & 3 C.T.'s
2 1/2 Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

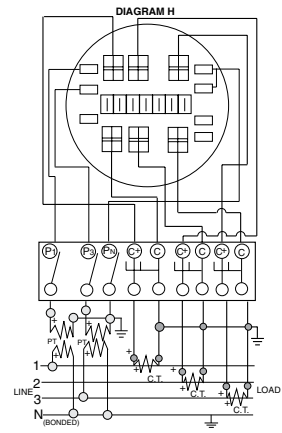


DIAGRAM I
3Ø4w "Y" or "Δ" with 3 C.T.'s
"Y" 3 Stator Meter - Form 9S
"Δ" 2 Stator Meter - Form 8S
13T Socket, Test Switch #TS10-0109

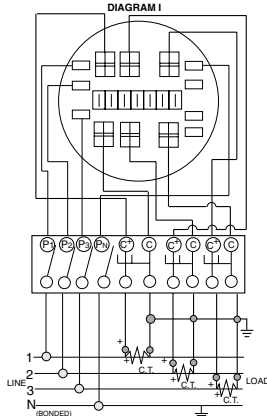
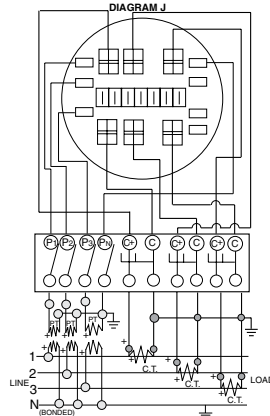


DIAGRAM J
3Ø4w "Y" with 3 P.T.'s & 3 C.T.'s
3 Stator Meter - Form 9S
13T Socket, Test Switch #TS10-0109



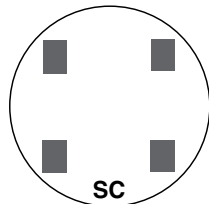
Prewiring: If standard factory prewiring is required, refer to wiring diagrams on this page. Determine appropriate diagram and send a copy with order. If custom factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch make and catalog number, meter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

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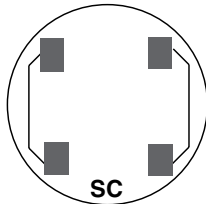


Watthour Meter Forms

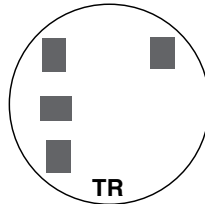
Standard Forms | Transformer Rated or Self-Contained



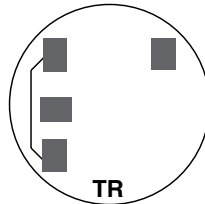
2 and 3-WIRE FORMS
1S & 2S



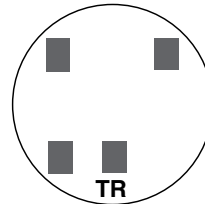
2 and 3-WIRE FORMS
1S & 2S with BYPASS



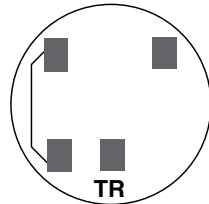
2-WIRE FORM 3S
5th Term. 9 o'clock



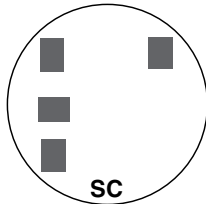
2-WIRE FORM 3S
with BYPASS



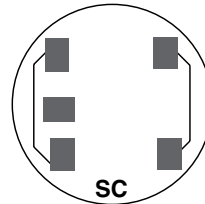
2-WIRE FORM 3S
5th Term. 6 o'clock



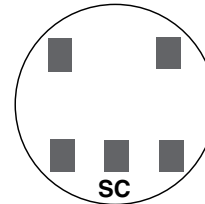
2-WIRE FORM 3S
with BYPASS



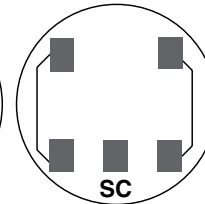
2 ELEMENT
3-WIRE NETWORK
FORM 12S 5th
TERM. 9 o'clock



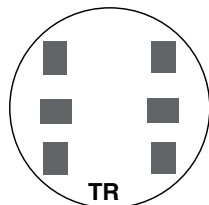
2 ELEMENT 3-WIRE
NETWORK FORM 12S
with BYPASS
5th Term. 9 o'clock



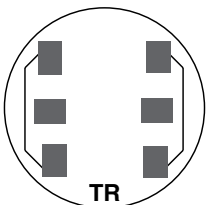
2 ELEMENT
3-WIRE NETWORK
FORM 12S 5th
TERM. 6 o'clock



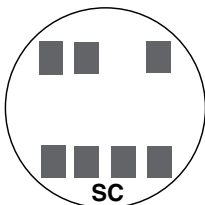
2 ELEMENT 3-WIRE
NETWORK FORM 12S
with BYPASS
5th Term. 6 o'clock



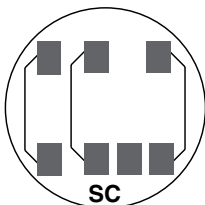
3-WIRE FORM 4S



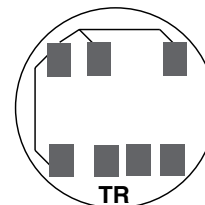
3-WIRE FORM 4S
WITH BYPASS



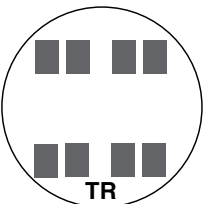
2 or 3 ELEMENT
3Ø4W Y or
Y FORM 14S
FORM 15S
Y FORM 16S



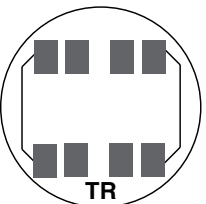
2 or 3 ELEMENT
3Ø4W Y or
FORMS 14S & 15S
with BYPASS



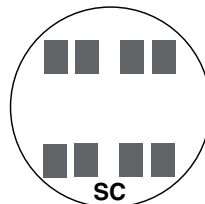
2 ELEMENT
3Ø4W Y or
Y FORM 7S
FORM 24S
with BYPASS



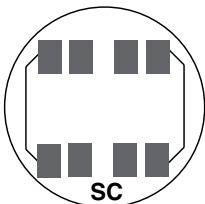
2 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 5S



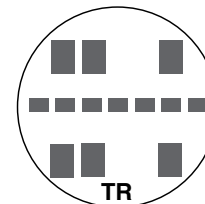
2 ELEMENT Ø3W,
2Ø4W, 3Ø3W
FORM 5S with
BYPASS



2 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 13S

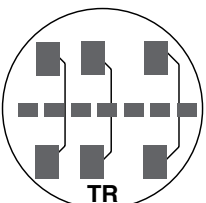


2 or 3 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 13S with
BYPASS

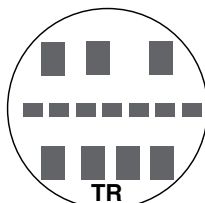


2 or 3 ELEMENT
3Ø4W Y or
Y FORM 9S
FORM 8S

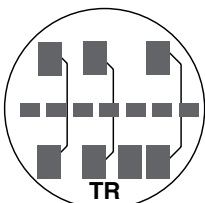
TR = TRANSFORMER RATED
SC = SELF CONTAINED



2 or 3 ELEMENT
3Ø4W Y or
FORMS 8S & 9S
FORMS 8S & 9S
with BYPASS



2 ELEMENT
3Ø4W Y
FORM 6S



2 ELEMENT
3Ø4W Y
FORM 6S
with BYPASS

Standard NEMA Configurations

Reference Information Only

41
STANDARD
NEMA
CONFIGS







2 Pole | 3 Wire | Grounding Receptacles

Straight Blade Wiring Devices						Twist-Lock Wiring Devices		
Volts	Code	15 amp	20 amp	30 amp	50 amp	15 amp	20 amp	30 amp
125	5							
		5-15R	5-20R	5-30R	5-50R	L5-15R	L5-20R	L5-30R
250	6							
		6-15R	6-20R	6-30R	6-50R	L6-15R	L6-20R	L6-30R
277 VAC	7							
		7-15R	7-20R	7-30R	7-50R	L7-15R	L7-20R	L7-30R

3 Pole | 3 Wire | Special Applications

Straight Blade Wiring Devices				Twist-Lock Wiring Devices	
Volts	Code	20 amp	30 amp	50 amp	30 amp
125V 250V	10				
		10-20R	10-30R	10-50R	L10-20R

3 Pole | 4 Wire | Grounding

Straight Blade Wiring Devices						Twist-Lock	
Volts	Code	15 amp	20 amp	30 amp	50 amp	20 amp	30 amp
125V 250V	14						
		14-15R	14-20R	14-30R	14-50R	L14-20R	L14-30R

2 Pole | 3 Wire | Grounding | NEMA Trailer

Straight Blade Wiring Devices		
Volts	Code	30 amp
125V	TT	

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.

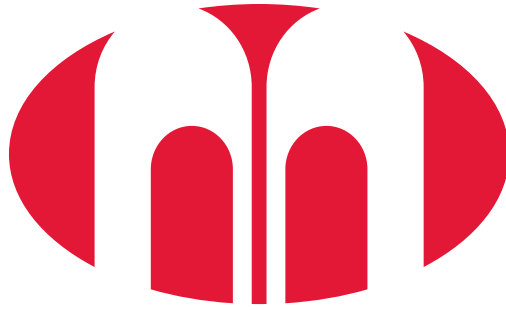


5T8K2.....	34	U3802	5
CP-21	33	U3812	5
K1047.....	34	U3822-20GWR.....	6
K1190.....	34	U3832	5
K1350.....	33	U3862	5
K1350L.....	33	U4382-XL-5T-BLG	10
K1539.....	33	U4383-XL-5T-BLG	10
K1540.....	33	U4467-XL-KK-BLG	7
K1540L.....	33	U4518-XL-TG-5TW	7
K1541.....	33	U4807-X-21-BLG.....	12
K3082.....	33	U4808-X-21-BLG.....	12
K3083.....	33	U4809-XT-21-BLG	12
K3441.....	33	U4810-XT-21-BLG	12
K3442.....	33	U5161-X-2/K3L-5T9-BLG	17
K3865.....	34	U5713-XL-5T-K3-BLG	10
K3866.....	34	U5714-XL-5T-K3-BLG	10
K4694.....	34	U5880-XL-200-5T9-BLG.....	18
K4802.....	34	U7490-XL-TG-5TW	7
K4977-EXT	34	U8173-XL-KK-BLG	16
K4977-INT.....	34	U8729-DL-KK-BLG	16
K5022-INT.....	34	UC4660-O-21-BLG	11
K5800.....	34	UC4718-O-21-BLG	11
K5815	33		
K5820	33		
K5830	33		
K5T.....	34		
M5-144	34		
S1848.....	34		
S2571.....	34		
S3488.....	34		
S8988.....	34		
SA-10105-SC1-SP1	13		
SA-10105-SC3R-SP1	13		
SA-24128-SC1-SP1	13		
SA-24128-SC3R-SP1	13		
SA-301812-SC1-SP1	13		
SA-301812-SC3R-SP1	13		
U1252-X-KK-K3-BLG.....	19		
U1770-YL-TG-KK-BLG	16		
U1854-XL-QG-BLG-LIS	8		
U1854-XL-QG-BLG-LIS	17		
U3042-XL-QG-BLG-LIS	8		
U3042-XL-QG-BLG-LIS	17		
U3522-XL-5T-K1-BLG.....	10		



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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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ENERGY AT WORK

