



**Meter Mounting Equipment** 



Meter mounting
equipment approved
for use within the
Arkansas, W. Tennessee,
and N. Mississippi region.

# 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 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

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.



### **Enclosed Controls**

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





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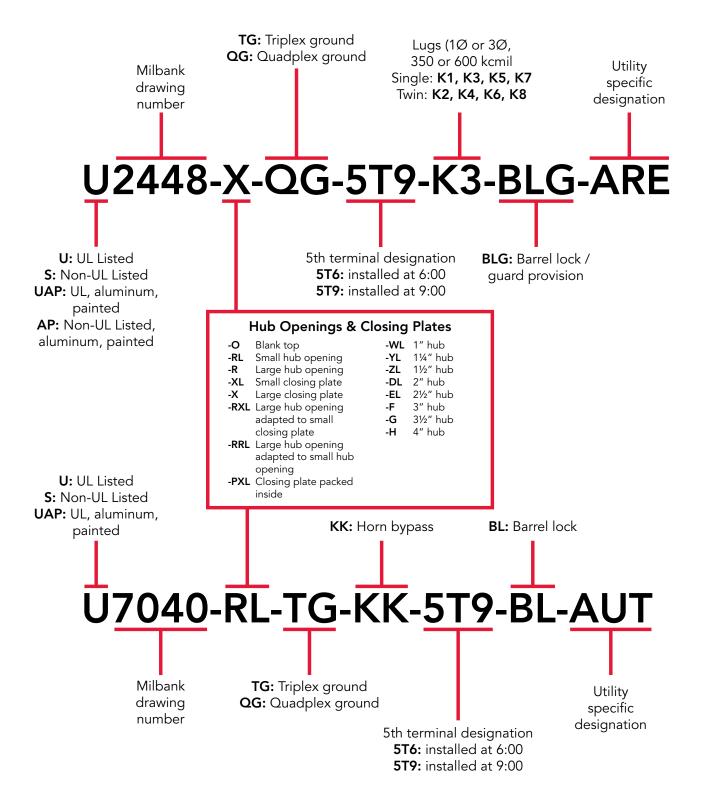
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# **Catalog Number Logic**

How Our Product Catalog Numbers are Derived







# **Air Conditioner Disconnects**

30-60 Amps







U3802 U3812 U3832

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

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

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

#### **Notes**

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





# **Air Conditioner Disconnects**

# 60 Amps | With 20 Amps GFCI Receptacle



U3822-20GWR

# **Specifications**

- Meets NEC #406.8 requirements
- Meets NEC #210.63 requirements
- UL-listed as Power Outlet
- NEMA 3R
- In-use cover\*
- Duplex ground connector

- One-inch concentric knockouts
- 1Ø, 240V
- 60 Amps, non-fused
- 20 Amps GFCI receptacle
- Reset/test button
- Weather-resistant

## 60 Amps | Air Conditioner Disconnect with 20 Amps GFCI Receptacle | 1Ø, 240V

Catalog Number	Туре	Max H.P.	Weight (lbs.)		ad Wire nge	Ground		nensio	ons	Wire I	Rating
		п.г.	(IDS.)	CU	AL	CU/AL	D"	W"	Н"	CU °C	AL °C
U3822-20GWR	Non-Fusible	10	6	#14-#2	#12-#2	#14-4	41/5	51/4	72/5	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: All units are designed with a padlock provision on the cover for security.
- \*Rated as an in-use cover (cover may be closed with cords plugged into receptacle).





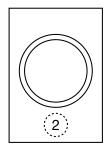
# **Single Position Sockets**

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

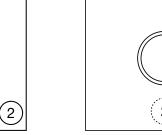


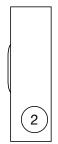
U8435-RL-TG

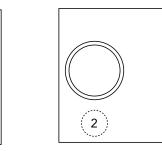
U1980-O

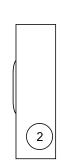






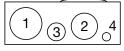






3 1,3

8435 7040 7021



1980

4231

4413

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

Catalog	Amps	Service	Hub		ectors /AL	Din	nensi	ons			Knocl	couts	;	
Number				Line	Load	D"	W"	Н"	1	2	3	4	5	6
U8435-RL-TG	125	OH/UG	H.O.	#6-2/0	#6-2/0	35/16	8	11½	1½	1½	2	11/4	_	1/4
U7021-RL-TG	200	ОН	H.O.	#6-350 kcmil	#6-350 kcmil	41/8	8	15½	21/2	2½	21/2	_	1/4	1/4, 1/2
U7040-RL-TG	200	OH/UG	H.O.	#6-350 kcmil	#6-350 kcmil	41/8	11	14%16	21/2	21/2	21/2	21/2	1/4, 1/2	1/4
U1980-O	200	UG	Blank	#6-350 kcmil	#6-350 kcmil	4½	13	151/4	2½	2½	3	1½	21/2	1/4, 1/2
U4413-O	200	UG	Blank	#6-350 kcmil	#6-350 kcmil	41/2	13	151⁄4	21/2	2½	21/2	3	11/2	1/4, 1/2

#### **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 to fit into square opening at the 9 o'clock position of the new style block (#6-350 kcmil). Order catalog number 5T8K2 to fit into round opening at the 9 o'clock position of the old style block (#2-350 kcmil). Order catalog number 5T8K2 for U8435. For the U7040 and U1980-O, order catalog number K5T.
- Connectors: Extruded aluminum connectors are tin plated. U8435, U7021, and U7040 are supplied with triplex neutral.





# **Lever Bypass Single Position**

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200 Amps | 5-7 Terminals | Ringless



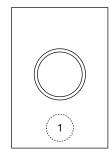
U4581-RL-QG



U4701-RL-QG



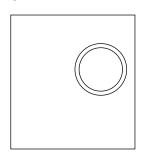
U4184-X

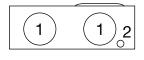


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4581







4184

200 Amps | 5-7 Terminals | Ringless | Heavy Duty Lever Bypass | 600V | OH/UG Service

Catalog Number	Terminals	Hub	Conne CU	ectors /AL	Dir	nensi	ons			Knocl	couts		
3			Line	Load	D"	W"	H"	1	2	3	4	5	6
U4581-RL-QG	5	H.O.	#6-350 kcmil	#6-350 kcmil	47/8	13	19	3	2½	3	3	1/4	1/4, 1/2
U4701-RL-QG	7	H.O.	#6-350 kcmil	#6-350 kcmil	47/8	13	19	3	21/2	3	3	1/4	1/4, 1/2
U4184-X*	7	C.P.	#6-350 kcmil	#6-350 kcmil	6	18	191/4	4	4	1/4, 1/2	_	_	_

### **Notes**

- Connectors: Extruded aluminum connectors are tin plated.
- The **U4581** has a manual <u>center disconnect</u> on the neutral/center phase.
- Lever Bypass: Lever supplies clamping action and operates bypass device.
- Bonding Link: U4581-RL-QG is factory bonded. Can be field isolated.
- \*Side Wireway

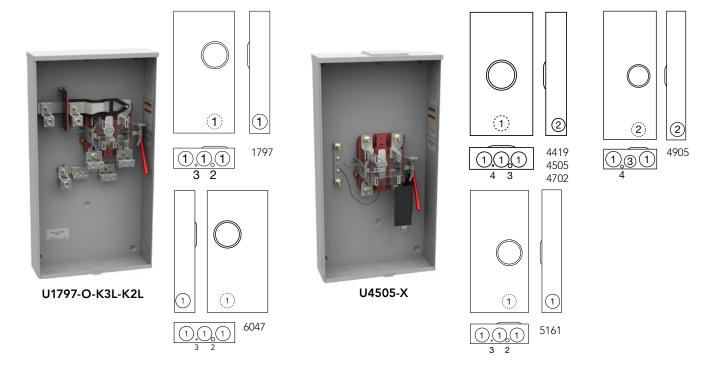




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# **Lever Bypass Single Position**

320 Amps | 4-5 Terminals | HD Lever Bypass | Ringless



320 Amps | 4-5 Terminals | Ringless | Lever Bypass | 600V

Catalog Number	Terminals Service		Hub	<b>C</b> oni C	Dir	nensi	ons	Knockouts				
3				Line	Line Load		W"	Н"	1	2	3	4
U4702-X	4	OH/UG	C.P.	¾"-16 Stud	3%"-16 Stud	47/8	15	281/4	3	1/4,1/2	1/4	_
U4905-X*	4	OH/UG	C.P.	³⁄₃"-16 Stud	3%"-16 Stud	5¾	16	38¾	4	3½	3	1/2
U1797-O-K3L-K2L*	4	UG	Blank	(1) #4-600 or (2) 1/0-250	Twin #6-350	47/8	15	30	3	1/2	1/4	
U6047-O-K3L-K2L*	4	UG	Blank	(1) #4-600 or (2) 1/0-250	Twin #6-350	47/8	15	30	3	1/2	1/4	_
U4505-X	5	OH/UG	C.P.	³⁄₃"-16 Stud	3%"-16 Stud	47/8	15	281/4	3	3	1/2	1/4
U4419-X	5	OH/UG	C.P.	¾"-16 Stud	3/8"-16 Stud	47/8	15	29	3	21/2	1/2	1/4

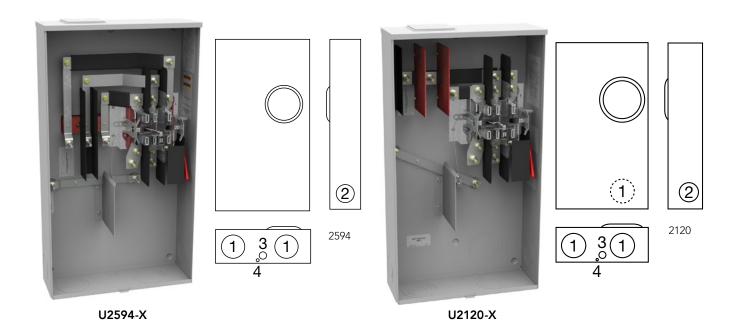
#### **Notes**

- Hubs: For proper hub selection see the hub suffix chart on the accessory page.
- Lever Bypass: Lever supplies clamping action and operates bypass device.
- Connectors: Stud type units supplied with %"-16 hex head nuts with Belleville washers. For single lug connector kits, order as extra K1539 (350 kcmil), K3082 (350 kcmil) or K3441 (600 kcmil). For twin lug connectors order as extra K1350 (350 kcmil) or K3442 (350 kcmil). Separate kits are required for both line and load.
- **Disconnect:** The **U4419** has a <u>manual center disconnect</u> on the neutral / center phase.
- Phases: The U4505 and U4419 are 1Ø3W or 3Ø3W.
- Fifth Terminal: For field-installed fifth terminal order catalog no. K3865.
- \*Side Wireway





320 Amps | 7 Terminals | HD Lever Bypass | Ringless



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

Catalog	Service	Hub	Connectors CU/AL		Bypass	Dir	nensi	ons		Knock	couts	
Number			Line	Load		D"	W"	H"	1	2	3	4
U2594-X	OH/UG	C.P.	%"-16 Stud	¾"-16 Stud	Lever	61/2	19	341/8	4	3	1	1/4
U2120-X	UG	C.P.	%"-16 Stud	%"-16 Stud	Lever	61/2	17¾	31¾	4	3	1	1/4

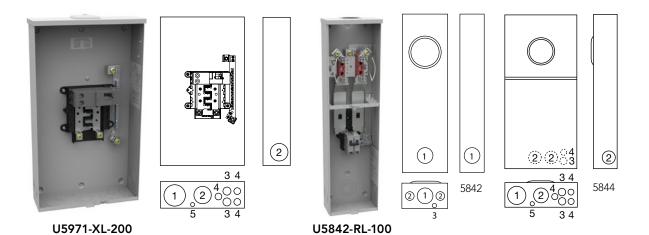
#### **Notes**

- Hubs: For proper hub selection see the hub suffix chart on the accessory page.
- Lever Bypass: Lever supplies clamping action and operates bypass device.
- Connectors: Stud type units supplied with %"-16 hex head nuts with Belleville washers. For single lug connector kits, order as extra: K3082 (350 kcmil) or K3441 (600 kcmil). For twin lug connectors order as extra: K3442 (350 kcmil). Separate kits are required for both line and load.



# **Load Center and Meter Mains**

100-200 Amps | 120/240V



100-200 Amps | Load Center with Main Breaker | 120/240V

Catalan Number	Catalag Number Main Breaker Branch Sonii		Service Hub	D	imensi	ons	Knockouts					
Catalog Number	Amp	Circuits	Service	пив	D"	W"	H"	1	2	3	4	5
U5971-XL-100	100	10	OH/UG	C.P.	41/2	141//8	251/16	3	21/2	1	1/2,3/4	1/4,1/2
U5971-XL-150	150	8	OH/UG	C.P.	41/2	141/8	251/16	3	21/2	1	1/2,3/4	1/4,1/2
U5971-XL-200	200	8	OH/UG	C.P.	41/2	141//8	251/16	3	2½	1	1/2,3/4	1/4,1/2

### 4 Terminals | Ringless Meter Main Models

Catalog Number	Amps	Term	Service	WT (#)
U5842-RL-100	100	4	ОН	26
U5842-RL-200	200	4	ОН	26
U5844-PXL	200	4	OH/UG	37
U5844-PXL-100	100	4	OH/UG	37
U5844-PXL-150	150	4	OH/UG	37
U5844-PXL-200	200	4	OH/UG	37

#### **Notes**

- AIC Rating: All models are rated 22K AIC when Siemens breakers are used.
- Hub: OH/UG units supplied with one (1) closing plate packed inside.
- Fifth Terminal: For field-installed 208Y/120 network service order K5T. Installs in the 9 o'clock position.

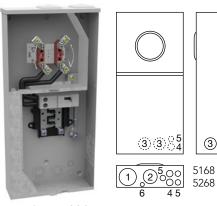
### Main Circuit Breaker Chart

Amperage	100	150	200
10KAIC Breaker Model	Q2100	QN2150	QN2200
22KAIC Breaker Model	Q2100H	QN2150H	QN2200H

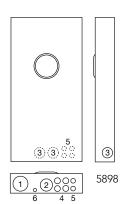




100-200 Amps | 4 Terminals | Ringless







U5168-XTL-200

U5898-O-200

100-200 Amps | 4 Terminals | Meter Main | OH/UG Service | 22K AIC | 120/240V | 1Ø3W

Catalog	Avail.	Hub	C	onnectors CU/AL	Din	nensi	ons			Kno	ckou	ts	
Number	Circuits		Line	Load	D"	W"	Н"	1	2	3	4	5	6
U5168-XTL-100**	10	C.P.	#6-350 kcmil	#6-350 kcmil Breaker	41/2	141/8	30	2	2	3	2½	1/2, 3/4, 1	1/2, 3/4
U5168-XTL-150**	8	C.P.	#6-350 kcmil	#6-350 kcmil Breaker	4½	141//8	30	2	2	3	2½	1/2, 3/4, 1	1/2, 3/4
U5168-XTL-200**	8	C.P.	#6-350 kcmil	#6-350 kcmil Breaker	41/2	141/8	30	2	2	3	2½	1/2, 3/4, 1	1/2, 3/4
U5268-XTL-200	20	C.P.	#6-350 kcmil	Breaker	41/2	141/8	30	2	2	3	2½	1/2, 3/4, 1	1/2, 3/4
*U5898-O-200**	8	C.P.	#6-350 kcmil	#6-350 kcmil Breaker	41/2	17	34½	2	3	2½	1	1/2, 3/4	1/4, 3/2

#### **Notes**

- **Hub:** Supplied with (2) closing plates inside. Order hubs as a separate item. See accessory page for hub options and twin hub openings. The **U5898-O-200** has no hub opening on the top.
- Interior: U5168 and U5898 units have 8-circuit interior; U5268 units have 20-circuit interior.
- Fifth Terminal: Order K5T and field install for 208Y/120 network systems. Installs in the 9 o'clock position only for U5168 and U5268.
- Main Breakers: Rated 22K AIC.
- Interlock Kit: For generator auxiliary circuit breaker interlock, order K5815 for large QN with small frame Q; order K5820 for large frame QN with large frame QN. K5830 for small frame Q with small frame Q.
- Sub-Feed Lugs: #6-350 kcmil sub-feed lugs provided on 8-circuit interior. Order K3701 for 20-circuit interior.
- \*Side Wireway
- \*\*Feed through Lugs

#### **Branch Breaker Chart**

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



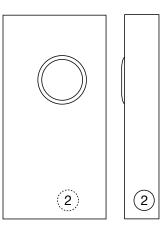


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# **Meter Main**

200 Amps | 7 Terminals | Ringless | 120/208V





1,4 2 3

5750

U5750-RXL-200-BL

## 200 Amps | 7 Terminals | Lever Bypass | Meter Main | Ringless | 3Ø4W

Catalog Number	Amps	Hub		ectors /AL	Di	mensio	ons		Knoc	kouts	
			Line	Load	D"	W"	Н"	1	2	3	4
U5750-RXL-200-BL	200	C.P.	#6-350	C/B	5¾	17¾	34	4	3	1	1/4

#### **Notes**

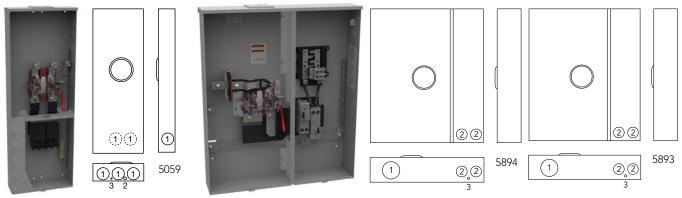
- Hubs: For proper hub selection see the hub suffix chart on the accessory page.
- Bypass: The lever supplies clamping action on the meter spade and also operates the bypass device.
- Breaker: Factory-installed 200 Amps, 3-pole, 10,000 AIC.





Meter Main 15

320 Amps | 4 Terminals | Ringless



U5059-X-2/200-K3L

U5894-X-2/200-MLK-ENT

### 320 Amps Meter Main with Breakers | 1Ø3W | Ringless | 120/240V

Catalog Number	Service	Hub		nectors J/AL	Fifth Term.	Bypass	Din	nensio	ons	Kn	ocko	uts
J			Line	Load	Kit	· ·	D"	W"	H"	1	2	3
U5059-X-2/200-K3L*	OH/UG	C.P.	#4-600 kcmil	#1/0-300 kcmil	K3866	Lever	47/8	15	42	3	1/2	1/4

## **Notes**

- Lever Bypass: Lever supplies clamping action and operates bypass device.
- \*Breakers: Supplied with (2) Milbank UQFPH-200 breakers rated at 22K AIC.

# 320 Amps Meter Main with Breakers | Lever Bypass | 1Ø3W | Ringless | 120/240V

Catalog Number	Service	Hub		ectors /AL	Fifth Term.	Side	Din	nensi	ons	Kn	ocko	uts
· ·			Line	Load	Kit	Buss	D"	W"	Н"	1	2	3
U5890-X-2/200	OH/UG	C.P.	Studs	#1/0-300	K3865	None	6	24½	35	4	21/2	1/4
U5892-X-2/200**1	OH/UG	C.P.	Studs	#1/0-300	K3865	None	6	29½	35	4	21/2	1/4
U5893-X-2/200	OH/UG	C.P.	Studs	#1/0-300	K3865	Yes	6	24½	35	4	21/2	_
U5894-X-2/200-MLK-ENT* <sup>2</sup>	OH/UG	C.P.	Studs	#1/0-300	K3865	Yes	6	29½	35	4	21/2	1/4

#### **Notes**

- Breakers: U5890 installed with QN2200H breakers. U5894 and U5895 installed with left breaker QN2200H and right breaker QN2200RH.
- Connectors: Sockets are supplied with 3/8"- 16 hex head nuts with Belleville washers. For connector lug kits, order as extra from chart on accessory page. Lug kit required for line side only.
- **OH/UG:** Is dependent upon utility specifications.
- <sup>1</sup> **Sub-Feed Lugs:** #6-350 kcmil sub-feed lugs provided on 8-circuit interior. Order **K3701** for 20-circuit interior or **–MLK** for factory-installed.
- <sup>2</sup> Side Wireway
- \*12-circuit load center
- \*\*24-circuit load center



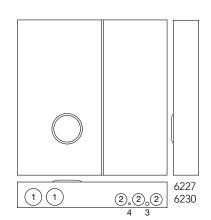


# **320 Amps Meter Mains**

Single 400 Amps Main Breaker







U6228-X-400

U6230-X-400

400 Amps Meter Main | 4 Terminals | 1Ø3W | 480V

Catalog Number	Service	Hub		nectors U/AL	Bypass	Di	mensio	ns		Knoc	kouts	
J			Line	Load		D"	W"	H"	1	2	3	4
U6227-X-400	OH/UG	СР	Stud	(2) 3/0-500	Lever	6	361/4	34	4	2½	1/2	1/4
U6228-X-400	OH/UG	СР	Stud	(2) 3/0-500	Lever	6	361/4	34	4	2½	1/2	1/4

## 400 Amps Meter Main | 7 Terminals | 3Ø4W | 480V

(	Catalog Number	Service	Hub		nectors U/AL	Bypass	Di	mensio	ns		Knoc	kouts	
				Line	Load		D"	W"	H"	1	2	3	4
	U6229-X-400	OH/UG	СР	Stud	(2) 3/0-500	Lever	6	361/4	34	4	2½	1/2	1/4
	U6230-X-400	OH/UG	СР	Stud	(2) 3/0-500	Lever	6	361/4	34	4	2½	1/2	1/4

# **Notes**

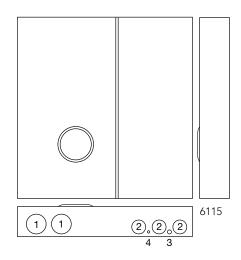
• Side Buss Units: U6228 and U6230.





320 Amps | 7 Terminals | Ringless | HD Lever | 2/200 Amps Main Breakers





U6115-X-2/200-K7L

320 Amps Meter Main with Breakers | 3Ø4W | Ringless | 480V

Catalog Number	Service	Hub		nectors J/AL	Bypass	Di	mensio	ns		Knocl	kouts	
J			Line	Load	,	D"	W"	H"	1	2	3	4
U6115-X-2/200	OH/UG	C.P.	Stud	#4-350	Lever	7	341/4	34	4	21/2	1/2	1/4

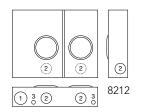


# **Multi-Position Sockets**

100 Amps | 4 Terminals | Ringless

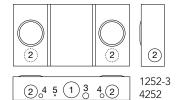


U8212-RL



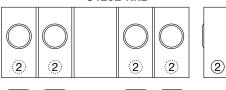


U4252-RXL-K2





U1252-RRL



254-6

	~ ^ ~	- 1
0110	(1)3(1) = 0 110	- 1
(2)44(2)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 (2/0, 0(2)		
	- 0 - 0 - 0	

100 Amps per position | 4 Terminals | Ringless | 1Ø3W

Catalog Number	No. of	Hub	Service		ectors /AL	Dir	nensio	ns		Kı	nock	outs	
	Pos.			Line	Load	D"	W"	H"	1	2	3	4	5
U8212-RL	2	H.O.	OH/UG	#6-350 kcmil	#6-2/0	41/2	205/16	16	2	2	2	21/2	1/4, 1/2
U8213-RL	3	H.O.	OH/UG	#6-350 kcmil	#6-2/0	41/2	28½	16	2	2	2	2½	1/4, 1/2
U8214-RL	4	H.O.	OH/UG	#6-350 kcmil	#6-2/0	41/2	4011/16	16	2	2	2	2½	1/4, 1/2
U8215-RL	5	H.O.	OH/UG	#6-350 kcmil	#6-2/0	41/2	481/8	16	2	2	2	2½	1/4, 1/2
U8216-XL	6	C.P.	OH/UG	#6-350 kcmil	#6-2/0	41/2	571/16	16	2	2	2	2½	1/4, 1/2

200 Amps per position | 4 Terminals | Ringless | 1Ø3W

Catalog Number	No. of	Hub	Service		ectors I/AL	Din	nensio	ns			Kno	ckou	ts	
	Pos.			Line	Load	D"	W"	Н"	1	2	3	4	5	6
U4252-RXL-K2	2	C.P.	OH/UG	¾"-16 Stud	#6-350 kcmil	51/8	26½	14	3	21/2	_	11/4	1/4	_
U1252-REL-K1	2	21/2	OH/UG	%"-16 Stud	#6-350 kcmil	51/8	26½	14	21/2	3	21/2	1/2	1/4	1/2, 3/4, 1
U1253-X	3	C.P.	OH/UG	3%"-16 Stud	#6-350 kcmil	51/8	3411/16	14	21/2	3	21/2	1/2	1/4	1/4, 1/2, 1
U1254-X	4	C.P.	OH/UG	%"-16 Stud	#6-350 kcmil	51/8	421/8	16	21/2	3	21/2	1/2	1/4	1/4, 1/2, 1
U1255-X	5	C.P.	OH/UG	¾"-16 Stud	#6-350 kcmil	51/8	541//8	16	21/2	3	21/2	1/2	1/4	1/4, 1/2, 1
U1256-X	6	C.P.	OH/UG	¾"-16 Stud	#6-350 kcmil	51/8	631/16	18	21/2	3	21/2	1/2	1/4	1/4, 1/2, 1

#### **Notes**

- **Hub:** For proper hub selection refer to the hub suffix chart on the accessory page. For the **U1255-6** two hub openings are supplied and the extra opening is closed with a closing plate as standard. For the **U8212** a hub opening is supplied at each end and the extra opening is closed with a closing plate as standard.
- Fifth Terminal: For field mounted fifth terminal for U8212-6, order 5T8K2 (6 o'clock position). For field mounted fifth terminal for
- U4252 and U1252-6, order catalog number K5T (9 o'clock position).
- Connectors: Extruded aluminum connectors are tin plated.
- Bussing: Bussing is 5/16" x 1" aluminum on the U1252-1253, U4252 and the U8212-6. On the U1254-6 gangs the bussing is %" x 1" aluminum.





125-200 Amps | 4 Terminals | Ringless | 240V







U5884-X

# 125 Amps Per Position

Catalog Number	Amps	Positions	Term	Service	WT (#)
U5902-X	100	2	4	OH/UG	58
U5903-X	100	3	4	OH/UG	88
U5904-X	100	4	4	OH/UG	107
U5905-X	100	5	4	OH/UG	128
U5906-X	100	6	4	OH/UG	146

#### 200 Amps Per Position

Catalog Number	Amps	Positions	Term	Service	WT (#)
U5882-X	200	2	2 4		58
U5883-X	200	3	4	OH/UG	88
U5884-X	200	4	4	OH/UG	107
U5885-X	200	5	4	OH/UG	128
U5886-X	200	6	4	OH/UG	146

#### **Notes**

- 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 208Y/120 network service, order K5T. Installs in the 9 o'clock position.

### Circuit Breaker Chart

Manufacturer	10K Models	22K Models
Siemens	QP, QN	QPH, QNH
Cutler-Hammer	BR, HPQ, QPGF	_
Square D GE (50 Amps Max.)	Homeline THQL, THQL-GF	_

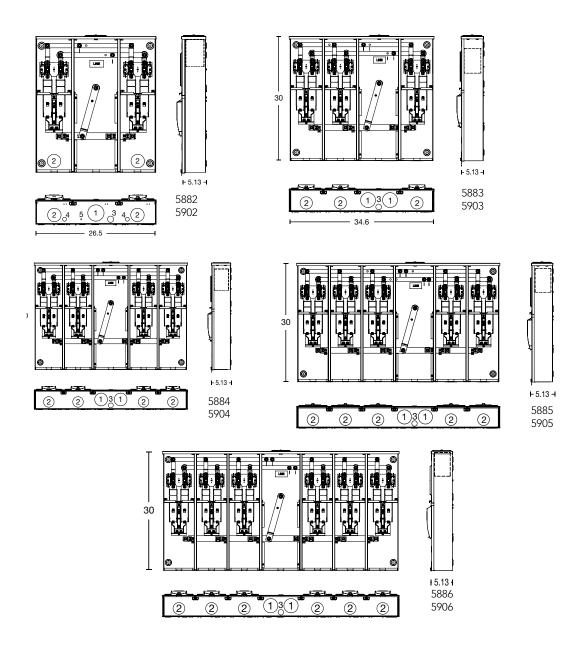




# **U5882 and U5884 Series**

Knockout Information

Knockouts						
1	2	3	4	5		
3	21/2	1	7/8	1/4		







# **Multi-Position Meter Main**

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



U2866-X



U2854-X

#### **VERTICAL**

# 125 Amps Per Position

No. of Pos.	Catalog Number	Main Bus Rating	Line Connector Size
2	U2852-X	200 Amps	*%"-16 Stud
3	U2853-X	200 Amps	*%"-16 Stud

#### 200 Amps Per Position

No. of Pos.	Catalog Number	Main Bus Rating	Line Connector Size
2	U2862-X	250 Amps	*%"-16 Stud
3	U2863-X	300 Amps	*¾"-16 Stud

### **RECTANGULAR**

#### 125 Amps Per Position

No. of Pos.	Catalog Number	Main Bus Rating	Line Connector Size		
4	U2854-X	400 Amps	*%"-16 Stud		
5	U2855-X	400 Amps	*3%"-16 Stud		
6	U2856-X	400 Amps	*%"-16 Stud		

# 200 Amps Per Position

No. of Pos.	Catalog Number	Main Bus Rating	Line Connector Size			
4	U2864-X	400 Amps	*%"-16 Stud			
5	U2865-X	600 Amps	*3%"-16 Stud			
6	U2866-X	600 Amps	*%"-16 Stud			

#### **Connector Kits**

Size	Suffix	Kit Number	Compatible With	Wire Range		
Cinalo	-K1	K1359	U2852-56, U2862-66	#6-350 kcmil		
Single -K3		K1540	U2854-56, U2864-66	#4-600 kcmil		
Twin	-K2	K1350	U2854-56, U2863-66	#6-350 kcmil		
IWIII	-K4	K1541	U2864-66	#2-600 kcmil		

#### **Notes**

- **Connectors:** For line wire connector kits, order separately.
- Fifth Terminals: For field mounted fifth terminal order catalog number K2381. Order one per meter position (9 o'clock position only).
- **Breakers:** Units have provision for one double pole main per meter position. Breakers not included. Order as extra Milbank.

#### Plug-In Breaker Compatibility Chart

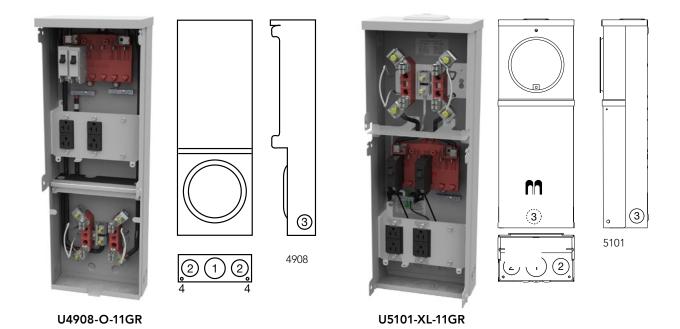
Amps	Cutler-Hammer (Westinghouse)	Siemens (ITE)			SQ-D
125-200	HQP/ BR / WBJ	QNR	QNR MD		_
≤ 100	QP / BR / HQP	QP	MP	Q Line	Homeline





# **Temp Power**

4 Terminals | 240V



## 320 Amps Meter Main with Breakers | 3Ø4W | Ringless | 277/480V

Catalog Number	Service	Hub	Conne CU	ectors /AL	Bypass	Dir	nensio	ns		Kno	:kouts	
3			Line	Load		D"	W"	Н"	1	2	ω	4
U4908-O-11GR	UG	None	#6–2/0	Breaker	None	135/16	9	255/16	2	1½	11/4	1/4
U5101-XL-11GR	ОН	СР	#6-250	Breaker	None	53/16	81/8	25	2	11/2	11/4	-

### **Specifications**

- Available in ringless style (**U4908** series) or ring type (**U4909** series).
- UL-listed 100 Amps, 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

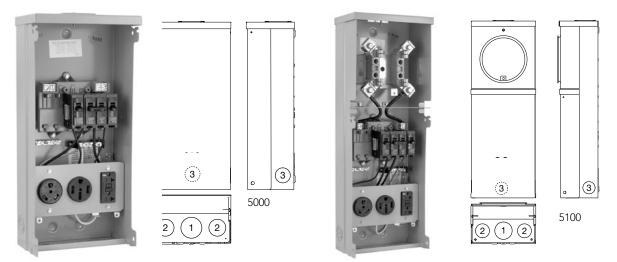
Ground: (2) 1/0-#14 and (4) #6-#14 Neutral: (2) 1/0-#14 and (4) #6-#14

• Four terminal, ringless meter socket with stainless steel locking hasp.





Millennium Series | Metered and Unmetered | 120/240V



U5000-XL-75

U5100-XL-75

# 125 Amps | Surface-mount Power Outlets

Catalan Number	Metered/	Receptacle	Circuit Breaker L	Loop	Connectors -	Dimensions			Knockouts		
Catalog Number	Unmetered	Configuration	Configuration	Feed	Line	D"	W"	Н"	1	2	3
U5000-XL	Unmetered	_	_	Yes	(2) #14-2/0	51/4	91/8	191⁄4	2	11/2	11/4
U5000-XL-41	Unmetered	Α	X	Yes	(2) #14-2/0	51/4	91/8	191/4	2	1½	11/4
U5000-XL-55	Unmetered	В	Y	Yes	(2) #14-2/0	51/4	91/8	191⁄4	2	11/2	11/4
U5000-XL-75	Unmetered	С	Z	Yes	(2) #14-2/0	51/4	91/8	191/4	2	1½	11/4
U5100-XL	Metered	_	_	No	#6-250	51/4	91/8	25	2	11/2	11/4
U5100-XL-41	Metered	Α	X	No	#6-250	51/4	91/8	25	2	1½	11/4
U5100-XL-55	Metered	В	Y	No	#6-250	51/4	91/8	25	2	1½	11/4
U5100-XL-75	Metered	С	Z	No	#6-250	51/4	91/8	25	2	1½	11/4

### **Receptacle Configurations**

•					
Α	В	С			
	B+4 I	<b>+</b>			
(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**

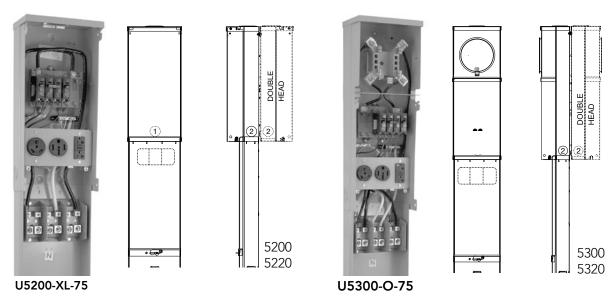
X	Υ	Z
	<b>H</b>	
(1) 30A, 1P, 120V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 20A, 1P, 120V	(1) 50A, 2P, 120/240V (1) 30A, 1P, 120V (1) 20A, 1P, 120V





# **Power Outlet Pedestals**

Millennium Series | Metered and Unmetered | 120/240V



125 Amps | Power Outlet Pedestals | Direct Burial

Catalan Namahan	Double Head	Metered/	Receptacle	Circuit Breaker	Dimensions		Knockouts	
Catalog Number	Catalog Number	Unmetered	Configuration	Configuration	D"	W"	Н"	1
U5200-XL	U5220-XL	Unmetered	_	_	5%16	91/8	64½	11/4
U5200-XL-41	U5220-XL-41	Unmetered	А	Х	5%16	91/8	64½	11⁄4
U5200-XL-55	U5220-XL-55	Unmetered	В	Υ	5%16	91/8	64½	11/4
U5200-XL-75	U5220-XL-75	Unmetered	С	Z	5%16	91/8	64½	11/4
U5300-O	U5320-O	Metered	_	_	5%16	91/8	701/4	11/4
U5300-O-41	U5320-O-41	Metered	Α	Х	5%16	91/8	701/4	11/4
U5300-O-55	U5320-O-55	Metered	В	Υ	5%16	91/8	701/4	11/4
U5300-O-75	U5320-O-75	Metered	С	Z	5%16	91/8	701/4	11/4

## **Receptacle Configurations**

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

**Circuit Breaker Configurations** 

X	Υ	Z	
		<b>0+1 0 0</b>	
(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	

### NOTE

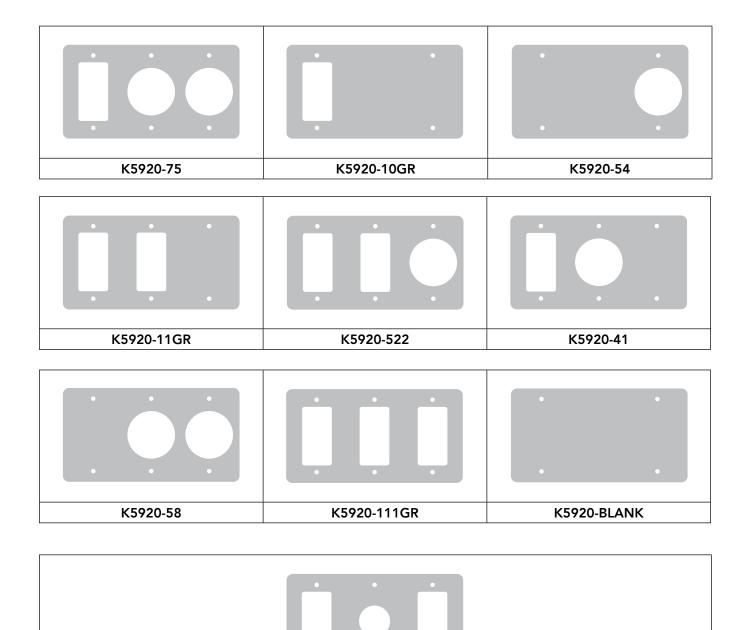
Contact factory for additional configurations not shown here.

Pad-mount is available. Contact factory for information.





For Millennium Series RV Products



K5920-38

#### **Notes**

• For application details, consult factory.





# **Lighting Accessories**

For Millennium Series Products

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

Application	Internal light kit for unmetered power outlets	William Co.
LED Features	Includes new LED light, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order Q120 separately.  Cover on unmetered power outlet is 19%" in height.	
Ordering	Order with <b>-LD</b> suffix (after catalog number) for factory-installed.  Order catalog number <b>K6212</b> for field-installed.	10

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

Application	Internal light kit for unmetered power outlets	
Fluorescent Features	Includes 5-watt fluorescent lamp socket, ballast, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order <b>Q120</b> separately.  Cover on unmetered power outlet is 19½" in height.	
Ordering	Order with <b>-L</b> suffix (after catalog number) for factory-installed.  Order catalog number <b>K5411</b> for field-installed.	

### **Photoelectric Light Control Kit**

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

WARNING!
Always disconnect power prior to installing these devices.





# **Lighting Accessories**

For Millennium Series Products

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

Application	Internal light kit for metered power outlets	4
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 151/4" in height.	
Ordering	Order with <b>-LD</b> suffix (after catalog number) for factory-installed.  Order catalog number <b>K6213</b> for field-installed.	

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

Application	Internal light kit for metered power outlets	
Fluorescent Features	Includes 5-watt fluorescent lamp socket, ballast, lamp shield and opaque hinge cover lens. Factory wired to 20 Amps GFI circuit. May be wired to separate 20 Amps circuit breaker. Order <b>Q120</b> separately.  Cover on metered power outlet is 15½" in height.	
Ordering	Order with <b>-L</b> suffix (after catalog number) for factory-installed.  Order catalog number <b>K5412</b> for field-installed.	

### Photoelectric Light Control Kit

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









# **Telecom and Pedestal Accessories**

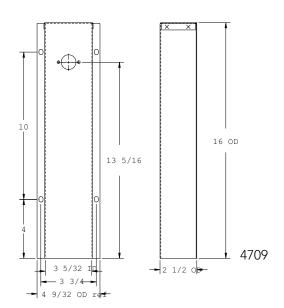
For Millennium Series RV Products

### Telephone and Cable TV Kit

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

#### Water Shroud with Hardware

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







# **Pedestal Mounting Accessories**

For Millennium Series RV Products

#### Field-Installed Pad-mount Kit

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

#### Stabilizer Foot with Hardware

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

#### Anchor Bolt Kit

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





# Metering and Receptacle Accessories

For Millennium Series RV Products

#### Field-Installed Meter Kits

Application	Field-installed meter kit for <b>U5000</b> and <b>U5200</b> power outlets.	
Features	100 Amps cast meter socket, CL200 E-Z Read Meter, sealing ring, security seal, 1" Milbank hub, nipple and mounting screws.  See CL200 for Watthour meter specification.	CENTRAL PROPERTY.  CALLEST CONTROL OF THE PROPERTY OF THE PROP
Ordering	Order catalog number <b>K4800-01</b> .	

#### E-Z Read Watthour Meter

Application	200 Amps E-Z read watthour meter designed to be field-installed on the <b>U5100</b> and <b>U5300</b> metered power outlets.	
	200 Amps form 2S 120/240 volt.	6000
Features	Numeric readout in full kilowatt increments. No "tenths" dial.	To summer
	Remanufactured to 1% accuracy.	
Ordering	Order catalog number <b>CL200</b> or <b>CL200D</b>	

### Single Receptacle Only Power Outlet

Application	Overhead/underg for RV, temporary equipment.	ground power out service, campgro		
Features	Type 3R, 120/240 Lockable cover.	volt single phase.		
Ordering	Order catalog number from chart below.			
Receptacle Options	P-10GWR 20A 5-20GR 120V GFI	P-13 30A TT-30R 120V	P-54 50A 14-50R 120/240V	ANGER PÉGEO ANGER





For Millennium Series RV Products



Q120 20 Amps, one-pole circuit breaker



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



Q130 30 Amps, one-pole circuit breaker



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



**Z918466-AC**Lug landing base



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



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



**Z918449-AC** (19" unmetered) Z918447-AC (15" metered) Hinge cover



**Z818052-SC** (19" unmetered) Z818480-SC (15" metered) Deadfront



MR-2
Snap action sealing ring



**Z708080-MO** 20 Amps GFI receptacle NEMA 5-20GR



**Z701776-MO** 30 Amps receptacle NEMA TT-30



**Z708767-MO** 50 Amps receptacle NEMA 14-50R





# **Circuit Breakers**

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







UQFP-M UQFPH-M



**UQFB-X1** 



**UQFBH** 

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

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

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

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

## **Notes**

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





# **Circuit Breakers**

QP (small frame) and QN (large frame) | 120/240V

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

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



QN2200H



**QN2200RH** 



**WBJ2200** 



Q250

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

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

#### **Notes**

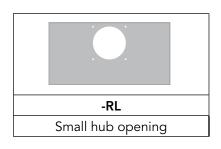
- Load connectors supplied with breakers.
- UL-listed for use with 60°C or 75°C wire.
- Wire sizes shown are lug capacity. Consult NEC Article #310 for specific wire sizes.

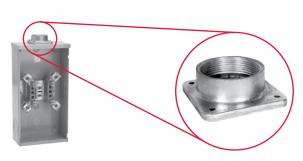


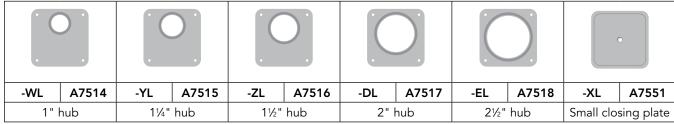


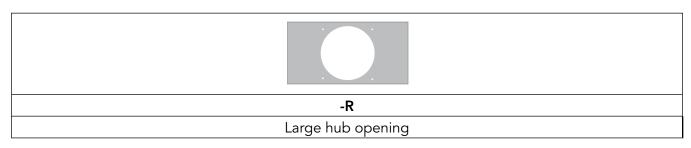
# **Accessories**

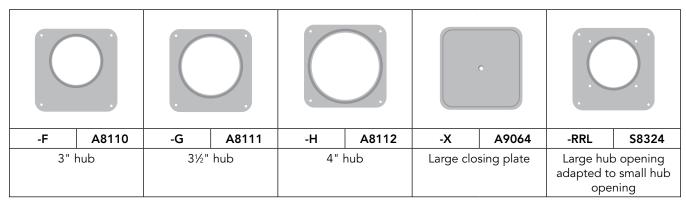
# Hubs and Closing Plates











### **Notes**

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





# Connector Kits, Closing Kits and Generator Interlock

## Connector Kits — For Use with %"-16 Stud Type Units Only



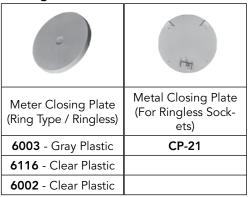
**Bypass Link** 



#### Note

Consult factory for proper connector kits for studded meter sockets.

#### **Closing Covers**



#### **Disconnect Sleeve**



#### **Isolated Neutral Kit**



#### Note

Consult factory for correct isolated neutral.

#### Note

Consult factory for kits that are available.





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

# **Accessories**

# Fifth Terminal, Tap Connectors and Block Assemblies

#### Fifth Terminal



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

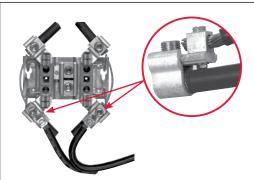


**K5T** - 200 Amps (Block with Square Hole)



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 Amps sockets. Allows for a 100 Amps tap location in addition to the #6-350 kcmil loadside 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 Amps Blocks (single sockets only)



#### 200 Amps Blocks (single sockets only)



K4529 - Internal Hex Block Assembly (w/ horn bypass)





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

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







**Commercial Pedestal** 

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

- NEMA 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).















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.
- $\bullet$  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

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





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

Application: Remote site service for multiple loads

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

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

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

#### **Features**

These units include everything required for remote site service:

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







# Switched Load Center Commercial Pedestals

# **Switched Load Center Commercial Pedestals**

1Ø3-wire 120/240V or 208Y/120V

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

#### **Features**

These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth Terminals kit available.
- 22K Amps interrupting capacity (AIC) standard.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a control circuit including PE receptacle, Lexan® window, glare shield, Hand-Off-Auto (HOA) switch, contractor controlling a 16-circuit load center for controlled loads, a premounted 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.

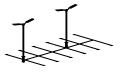


Ringless Lever Bypass shown

# **Applications**



**Traffic Signals** 



Parking Lots



Highways







400 Amps Commercial Pedestals



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

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

#### **Features**

These units include everything required for remote service:

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

# **Applications**









# Battery Backup Commercial Pedestals



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

#### **Features**

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

#### Note

• May require customization based on regional requirements.

### **Applications**



Camera and Security



Parking Lots



**Traffic Signals** 



Communications
Power Distribution

### **Options**

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

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





Power Transfer Commercial Pedestals



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

#### **Features**

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

#### Note

• May require customization based on regional requirements.

# **Applications**





**Traffic Signals** 



Pump and Lift Stations







## CT Metered Commercial Pedestals



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

#### **Features**

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

#### Note

• May require customization based on regional requirements.

# **Applications**



Commercial and Industrial Control Systems



Pump and LIft Stations



Water Treatment Plants



Electric Vechicle Charging Stations





### Slimline Commercial Pedestals



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

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

#### **Features**

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









# Notes

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

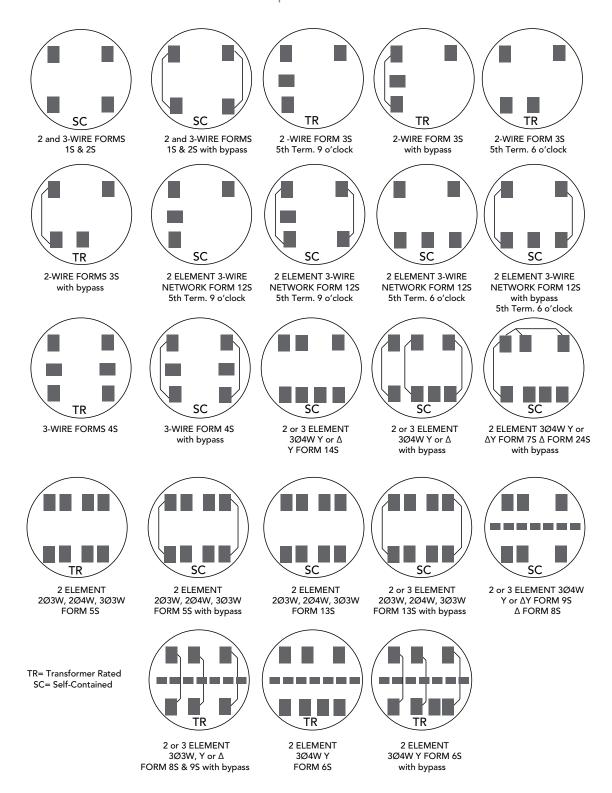
With no need to coordinate, buy or wait for concrete, direct bury pedestals offer many advantages and can cut installation time down to less than an hour. Traditional direct bury pedestals can be awkward to transport and can only be used in a direct bury application. Milbank's modular design offers flexibility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





# **Watthour Meter Forms**

Standard Forms | Transformer Rated or Self-Contained



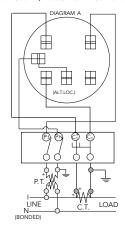




## Reference Information

#### DIAGRAM A

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



#### 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

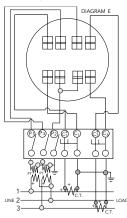
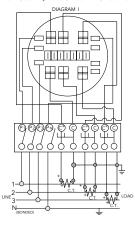


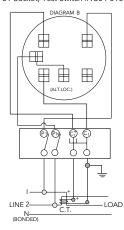
DIAGRAM I

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



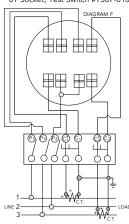
#### DIAGRAM B

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



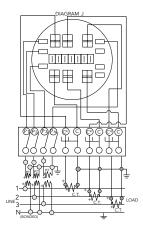
#### DIAGRAM F

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



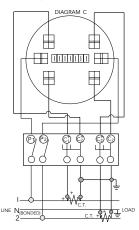
#### DIAGRAM J

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



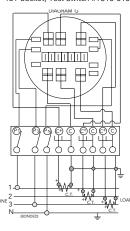
#### DIAGRAM C

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



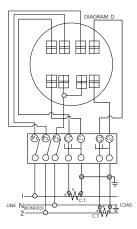
#### DIAGRAM G

3**Ø**4W "Y" with 3 C.T.'s 2 ½ Stator Meter - Form 6S 13T Socket, Test Switch #TS10-0109



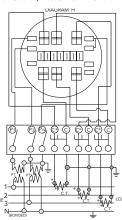
#### DIAGRAM D

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



#### DIAGRAM H

3**Ø**4W "Y" with 2 P.T.'s and 3 C.T.'s 2 ½ Stator Meter - Form 6S 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.





# Conduit, Ampacity and SCCR

Reference Information

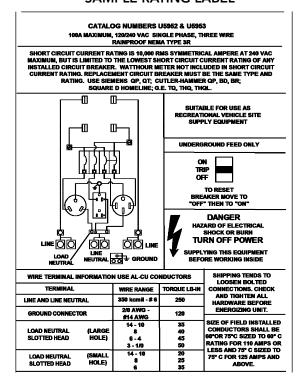
#### MAXIMUM NUMBER OF CONDUCTORS IN CONDUIT

Table from 2008 NEC Code Reference: Rigid Metal Conduit

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



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

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

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

#### **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

Overall Ampere ratings of UL-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.

<sup>#</sup> 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.





<sup>†</sup> 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.

# **Energization of Electrical Equipment**

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







# **Materials and Finishes**

Reference Information

### **Materials**

### **Steel Quality**

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

#### **Steel Sheet**

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

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

#### **Aluminum Extrusion**

Wire-Terminal: 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 the factory.

#### **Metal Fastners**

Zinc-coated with a chromate dip.

# Ratings and Compliance

#### Ratings and Compliance

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





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