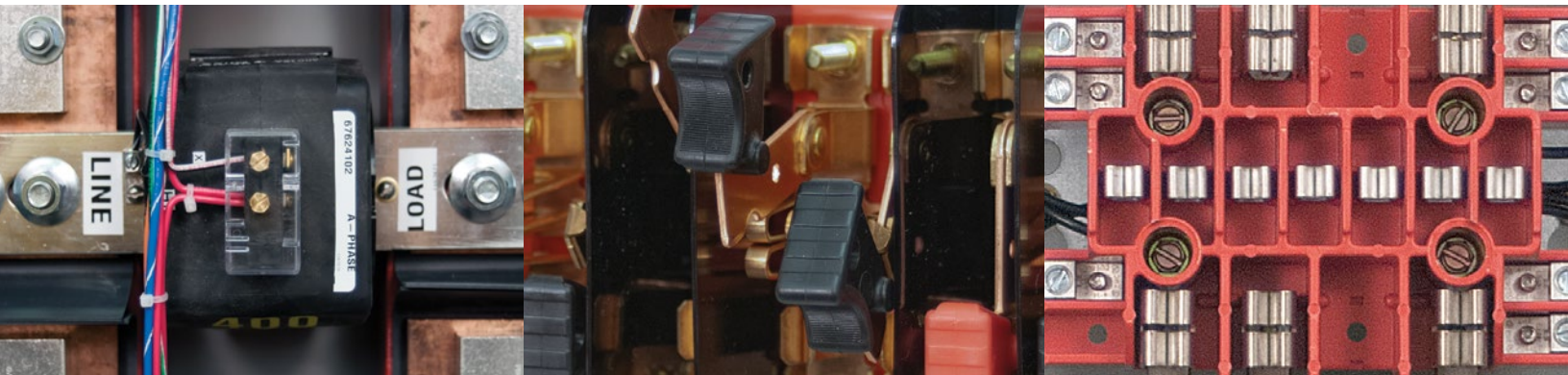


MILBANK[®]
ENERGY AT WORK



Instrument Rated

Metering Equipment



Milbank Overview

Energy At Work since 1927

Milbank builds solutions that move power for the residential, commercial, industrial, utility and transportation sectors. Milbank combines more than 85 years of expertise in electrical engineering design and manufacturing with a commitment to develop and globally implement sustainable, integrated power solutions. Milbank's portfolio includes electric metering systems, PowerGen™ wind and solar solutions, and portable power. A third-generation, family-owned business, Milbank is headquartered in Kansas City, Mo. For more information, please visit milbankworks.com.



METERING

Milbank meter sockets have set the standard for quality since 1927. With a 99.97% quality performance, thousands of active products to meet your utility's requirements and tens of millions of sockets installed across the globe, our products help keep energy at work. And with 22 stocking locations across the U.S., and our OneSERT program to help during emergency situations, our meter sockets are ready to go, wherever the job may be.



COMMERCIAL & INDUSTRIAL

When it comes to commercial and industrial products, Milbank has it covered! We offer a complete line of junction boxes, telephone cabinet covers, transformer cabinets, wireways, pushbutton enclosures, consoles and thermal management products. We specialize in custom-built enclosures and are more than happy to design a solution for your specific project. Our commercial meter pedestals are easy to install, fast, safe and secure, and completely customizable.



POWERGEN

Milbank's standby and portable generators give you the peace of mind of living life uninterrupted during increasingly frequent power outages caused by severe weather, high demand and other situations. Our electric vehicle supply equipment, wind turbines and power management systems give you reliable and sustainable ways to reduce both your energy costs and your impact on the environment.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

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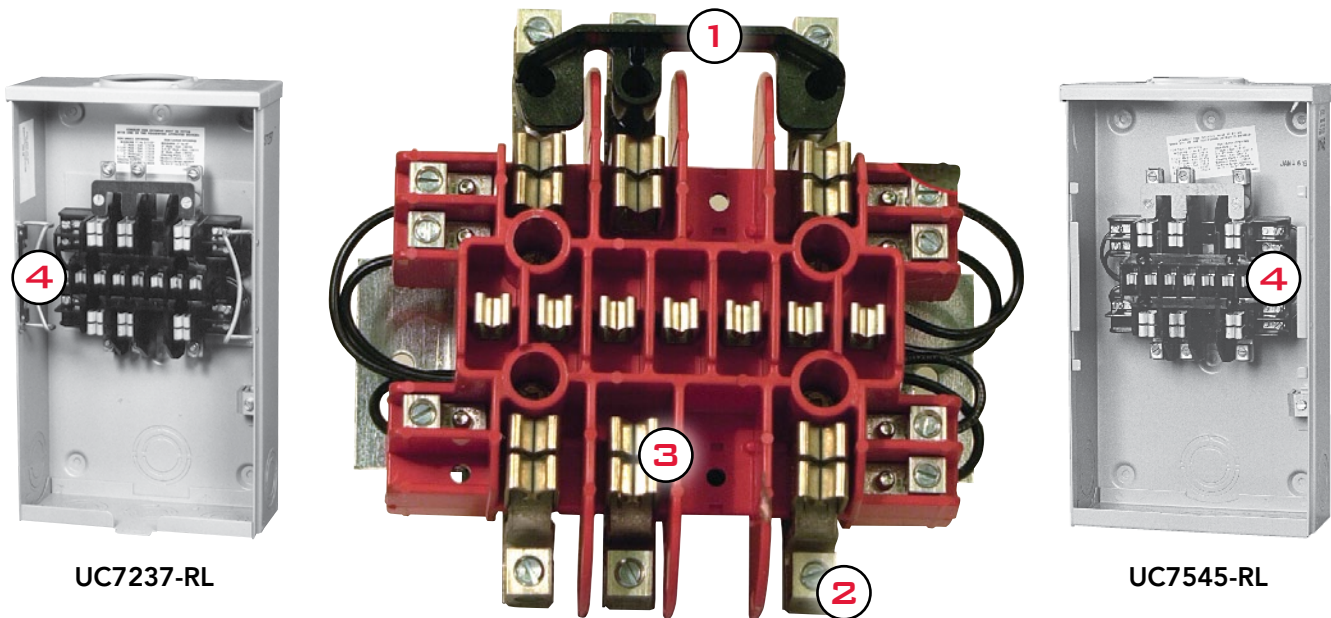
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Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



CT Rated Sockets

Plunger Bypass Feature



UC7237-RL

UC7545-RL

HIGHLIGHTS AND FEATURES

These units are available in a powder coated galvanized G90 steel or aluminum 3R shell.

- 1 Plunger Bypass:** Once meter is removed from socket, plunger bypass disengages and CTs are shunted.
- 2 Connectors:** #14 – 4 mechanical connectors provided for ease of connecting CT wires. If ring terminal is desired, use U prefix rather than UC.
- 3 Terminals:** Range of 5 to 13 terminal block assemblies available to meet most of your single and three phase application needs.
- 4 Ringless/Ring Type:** Units available in both ringless or ring type styles.



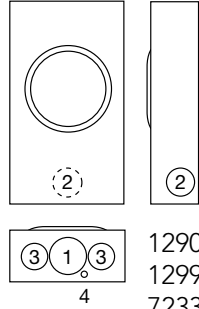
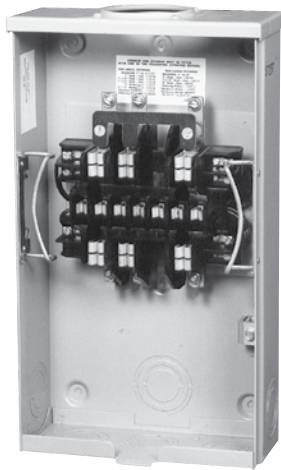
Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

CT Rated Sockets

20 Amp | 5-13 Terminals

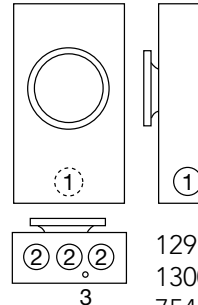
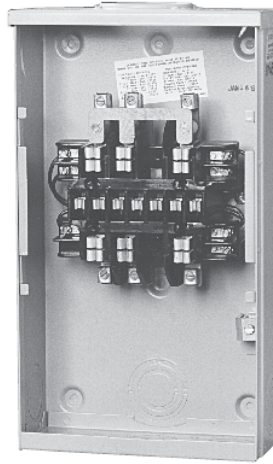
5

20 AMP
CT RATED
SOCKETS



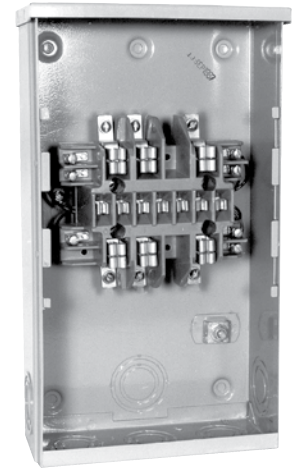
1290
1299
7233
7235
7237

UC7237-RL



1291
1300
7544
7545
7582

UC7545-RL



UC7582-XL

20 Amp | CT Rated Sockets | Ringless | Plunger Bypass

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

20 Amp | CT Rated Sockets | Ring Type

Catalog Number	Terminals	Service	Hub	Meter Form	Connectors CU	Bypass	Dimensions			Knockouts		
							D"	W"	H"	1	2	3
UC1291-RL	5	OH/UG	H.O.	3S	#14 - 4 MAX	Plunger	3 ⁵ / ₁₆	8	14	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC1300-RL	6	OH/UG	H.O.	4S	#14 - 4 MAX	Plunger	3 ⁵ / ₁₆	8	14	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7544-RL	8	OH/UG	H.O.	5S	#14 - 4 MAX	Plunger	3 ⁵ / ₁₆	8	14	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7545-RL	13	OH/UG	H.O.	6, 8, 9S & (ALT) 10S	#14 - 4 MAX	Plunger	3 ⁵ / ₁₆	8	14	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄
UC7582-XL	13	OH/UG	C.P.	6, 8, 9S & (ALT) 10S	#14 - 10	None	3 ⁵ / ₁₆	8	14	1 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₄

Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** Plunger type bypass automatically closes when meter is removed.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC7544-RL becomes U7544-RL).

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

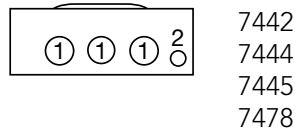
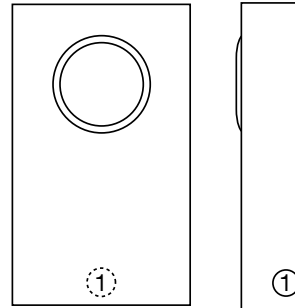


CT Rated Sockets

20 Amp | 1-Piece Cover | w/ Test Switch Provision



UC7478-YL



7442
7444
7445
7478

20 Amp | 1-Piece Cover | CT Rated Socket with Test Switch Provision* | Ringless

Catalog Number	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
						D"	W"	H"	1	2
UC7442-RL	5	OH/UG	H.O.	#14 - #4 Max	3S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$
UC7478-RL	6	OH/UG	H.O.	#14 - #4 Max	4S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$
UC7444-RL	8	OH/UG	H.O.	#14 - #4 Max	5S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$
UC7445-RL	13	OH/UG	H.O.	#14 - #4 Max	6, 8, 9 & (ALT) 10S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$, 1 $\frac{1}{2}$

Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessory page.
- **Pre-wiring:** If standard factory pre-wiring is required, refer to wiring diagrams in the reference section of this catalog. Determine appropriate diagram and send copy with order. If custom factory pre-wiring is required, consult factory for details. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC7445-XL becomes U7445-XL).
- ***Test Switch Cover:** Units on this page are not designated for use with test switch covers without removing test switch bridge prior to installing test switch.
- **Test Switch Configurations:** See page 34 for standard test switch configurations and page 35 for utility-specified test switches.

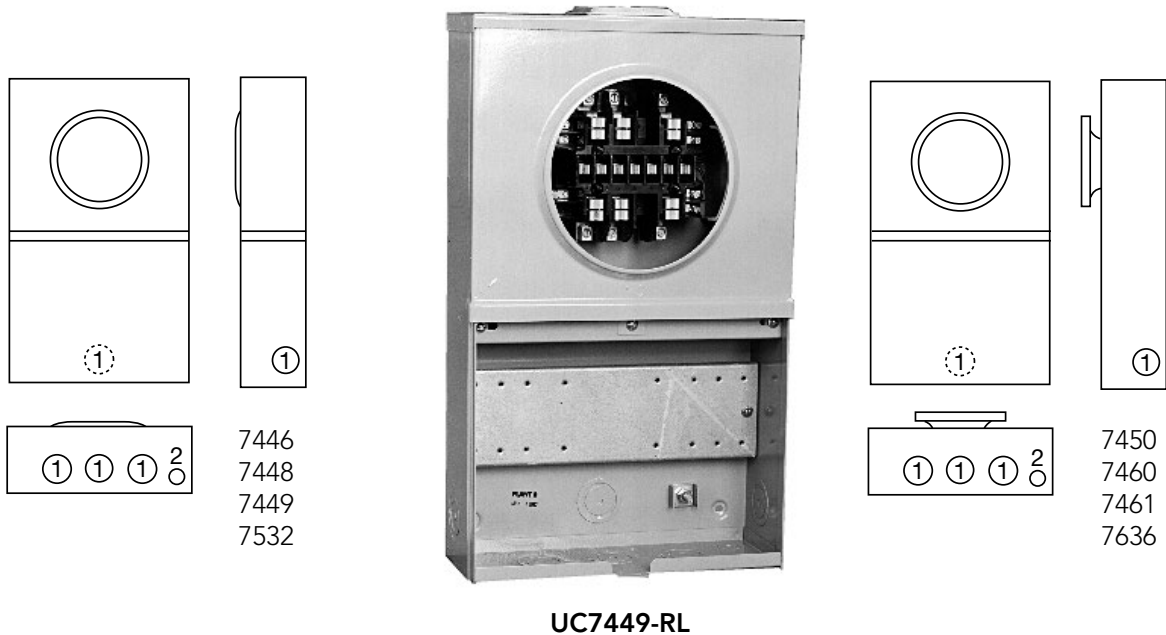


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

CT Rated Sockets

20 Amp | 2-Piece Cover | w/ Test Switch Provision

7
20 AMP
CT RATED
SOCKETS



20 Amp | 2-Piece Cover | CT Rated Socket with Test Switch Provision*

Ringless Catalog Number	Ring Type Catalog Number	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
							D"	W"	H"	1	2
UC7446-RL	UC7450-RL	5	OH/UG	H.O.	#14 - #4 Max	3S	4½	12	20	1¼	¼, ½
UC7532-RL	UC7636-RL	6	OH/UG	H.O.	#14 - #4 Max	4S	4½	12	20	1¼	¼, ½
UC7448-RL	UC7460-RL	8	OH/UG	H.O.	#14 - #4 Max	5S	4½	12	20	1¼	¼, ½
UC7449-RL	UC7461-RL	13	OH/UG	H.O.	#14 - #4 Max	6, 8, 9 & (ALT) 10S	4½	12	20	1¼	¼, ½

Notes

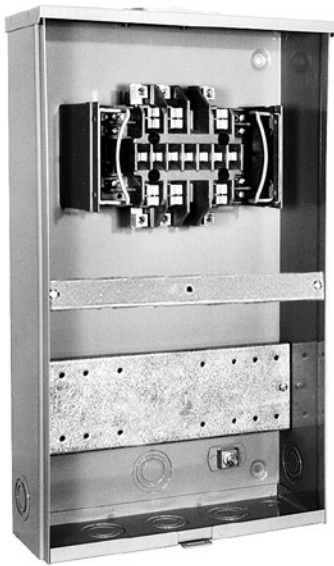
- **Hubs:** For proper hub selection, see the hub suffix chart on the accessory page.
- **Sealing Rings:** Ring type units are supplied with one **MR-2** snap-type sealing ring.
- **Pre-wiring:** If standard factory pre-wiring is required, refer to wiring diagrams in the reference section of this catalog. Determine appropriate diagram and send copy with order. If custom factory pre-wiring is required, consult factory for details. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC7449-XL becomes U7449-XL).
- ***Test Switch Cover:** Units on this page are not designated for use with test switch covers.
- **Test Switch Configurations:** See page 34 for standard test switch configurations and page 35 for utility-specified test switches.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

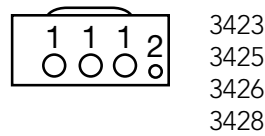
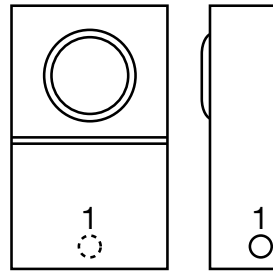


CT Rated Sockets

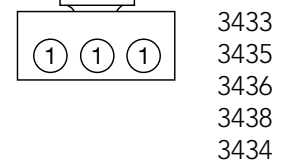
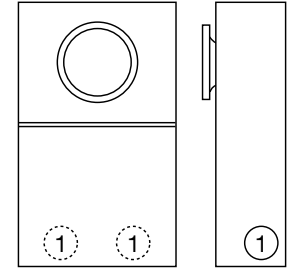
20 Amp | Deeper 5 1/8" Shell | w/ Test Switch Provision



UC3423-XL



UC3433-XL



20 Amp | 2-Piece Cover | CT Rated Socket with Test Switch Provision

Ringless Catalog Number	Ring Type Catalog Number	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
							D"	W"	H"	1	2
UC3425-XL	UC3435-XL	5	OH/UG	C.P.	#14 - #2 Max	3S	5 1/8	12	20	1 1/4	1 1/4, 1/2
UC3426-XL	UC3436-XL	6	OH/UG	C.P.	#14 - #2 Max	4S	5 1/8	12	20	1 1/4	1 1/4, 1/2
UC3428-XL	UC3438-XL	8	OH/UG	C.P.	#14 - #2 Max	5S	5 1/8	12	20	1 1/4	1 1/4, 1/2
UC3423-XL	UC3433-XL	13	OH/UG	C.P.	#14 - #2 Max	6, 8, 9 & (ALT) 10S	5 1/8	12	20	1 1/4	1 1/4, 1/2
—	UC3434-XL	15	OH/UG	C.P.	#14 - #2 Max	39S or 76S	5 1/8	12	20	1 1/4	1 1/4, 1/2

Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessory page.
- **Sealing Rings:** Ring-type units are supplied with one **MR-4** screw type sealing ring.
- **Pre-wiring:** If standard factory pre-wiring is required, refer to wiring diagrams in the reference section of this catalog. Determine appropriate diagram and send copy with order. If custom factory pre-wiring is required, consult factory for details. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC3423-XL becomes U3423-XL).
- **Test Switch Cover:** Units on this page can be used with clear lexan cover. See accessories page for ordering information.
- **Test Switch Configurations:** See page 34 for standard test switch configurations and page 35 for utility-specified test switches.
- **EUSERC Approval:** All ring-type items on this page are EUSERC compliant.



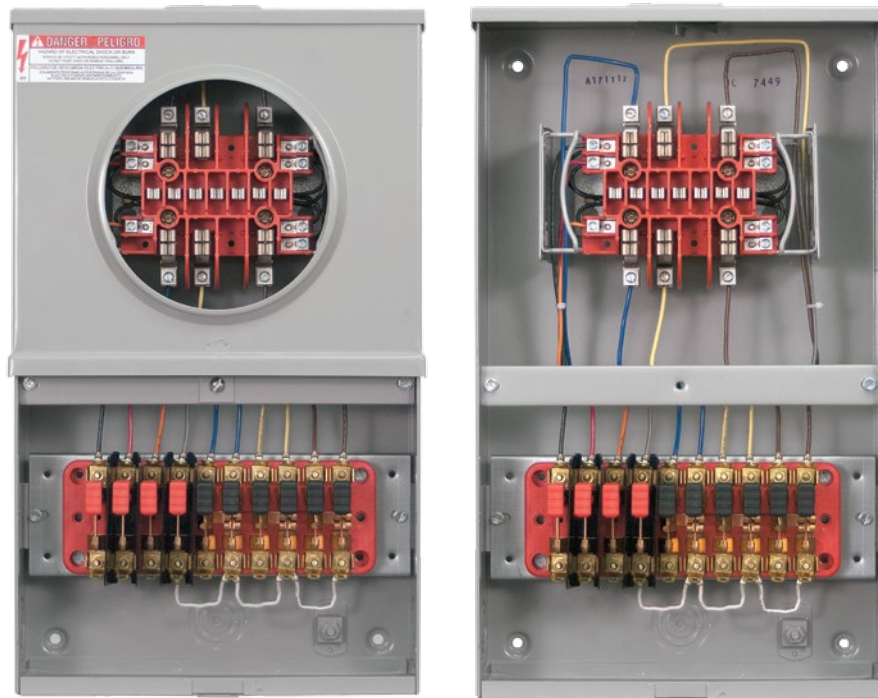
Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Prewired CT Rated Sockets

Factory wired to utility specification

9

PREWIRED
CT RATED
SOCKETS



UC7449-XL-871

For field-installable test switches, see page 34 for standard configurations. Test switches can also be factory installed without prewiring. Consult factory for details.

Milbank's CT Rated meter sockets are also available with factory prewiring and custom-specified test switches. For factory prewiring and custom test switch configurations, see the worksheet on page 35 and consult factory for details.

Available for both ring type and ringless applications.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

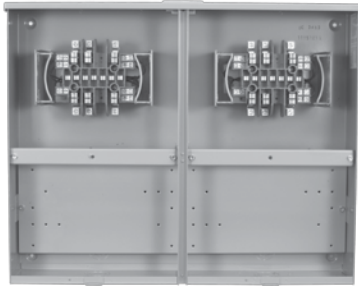


1 □

TWO
POSITION
CT RATED
SOCKETS

Multi-Position CT Rated Sockets

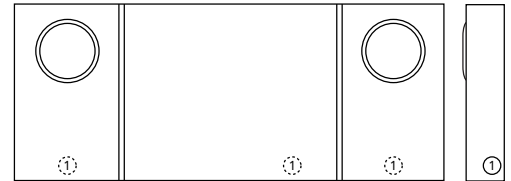
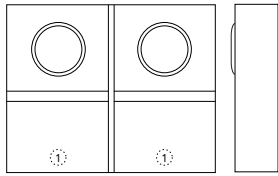
20 Amps | w/ Test Switch Provision



UC3453-XL



SC6011-O-BL-21



3443 3453
3444 3458
3448

6010

6011

20 Amps | Multi-Position CT Rated Sockets | Ringless

Catalog Number	UL Listed	Positions	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
								D"	W"	H"	1	2
UC3458-XL	Yes	2	8	OH/UG	C.P.	#14 - #4 Max	5S	5	25 ¹ / ₁₆	20	1 ¹ / ₄	1 ¹ / ₄ , 1 ¹ / ₂
UC3453-XL	Yes	2	13	OH/UG	C.P.	#14 - #4 Max	6, 8, 9 & (ALT) 10S	5	25 ¹ / ₁₆	20	1 ¹ / ₄	1 ¹ / ₄ , 1 ¹ / ₂
SC6010-O-BL-21	No	1	13	UG	Blank	#14 - #4 Max	6, 8, 9 & (ALT) 10S	4 ⁷ / ₈	36 ⁷ / ₁₆	20	1 ¹ / ₂	1 ¹ / ₂ , 3 ¹ / ₄
SC6011-O-BL-21	No	2	13	UG	Blank	#14 - #4 Max	6, 8, 9 & (ALT) 10S	4 ⁷ / ₈	48 ¹¹ / ₁₆	20	1 ¹ / ₂	1 ¹ / ₂ , 3 ¹ / ₄

20 Amps | Multi-Position CT Rated Sockets | Ring Type

Catalog Number	UL Listed	Positions	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
								D"	W"	H"	1	2
UC3448-XL	Yes	2	8	OH/UG	C.P.	#14 - #4 Max	5S	5 ⁷ / ₈	25 ¹ / ₁₆	20	2	1 ¹ / ₄ , 1 ¹ / ₂
UC3443-XL	Yes	2	13	OH/UG	C.P.	#14 - #4 Max	6, 8, 9 & (ALT) 10S	5 ⁷ / ₈	25 ¹ / ₁₆	20	2	1 ¹ / ₄ , 1 ¹ / ₂
UC3444-XL	Yes	2	15	OH/UG	C.P.	#14 - #4 Max	39S or 76S	5 ⁷ / ₈	25 ¹ / ₁₆	20	2	1 ¹ / ₄ , 1 ¹ / ₂

Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessory page.
- **Sealing Rings:** Ring-type units are supplied with one **MR-4** screw type sealing ring.
- **Pre-wiring:** If factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC3453-XL becomes U3453-XL).
- The **SC6010** and **SC6011** include a section for additional electronic components. Remote CT cabinet required.

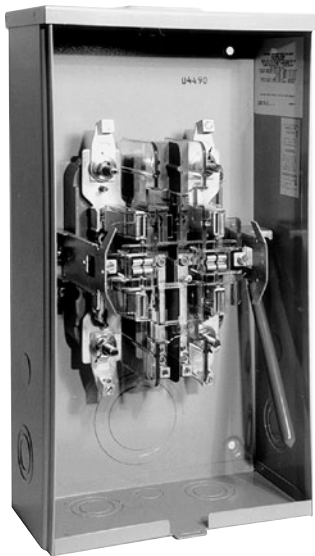


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

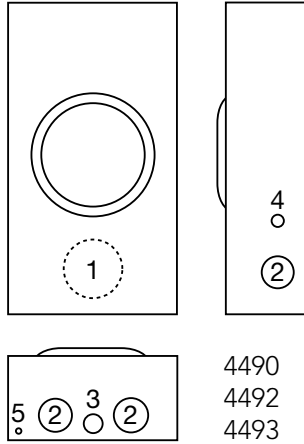
Lever Bypass CT Rated Sockets

80 Amps | Ringless | 600 VAC

1 1
80 AMP
LEVER BYPASS
CT RATED



U4490-XL



U4493-XL

80 Amps | Transformer Rated Sockets | Lever Bypass | Ringless

Catalog Number	Terminals	Service	Hub	Connectors CU	Bypass	Dimensions			Knockouts				
						D"	W"	H"	1	2	3	4	5
U4490-XL	6	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	10	18 $\frac{1}{2}$	3	1 $\frac{1}{2}$	$\frac{1}{2}$, $\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{4}$
U4492-XL	8	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	10	18 $\frac{1}{2}$	3	1 $\frac{1}{2}$	$\frac{1}{2}$, $\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{4}$
U4493-XL	13	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	10	18 $\frac{1}{2}$	3	1 $\frac{1}{2}$	$\frac{1}{2}$, $\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{4}$

Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** Lever operates current bypass device and also supplies clamping action on current meter spades.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max). If compression type connectors (#10) are preferred, change catalog prefix to "U" (i.e. UC4490-XL becomes U4490-XL).
- **Removable Handle:** When removable handle is desired add suffix "-RH" to catalog number (i.e. **U4493-XL** becomes **U4493-XL-RH**).
- **Replacement Removable Handle:** When a replacement removable handle (RH) is required order part #Z706850-SC. Replacement handle will only work with factory ordered RH units.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

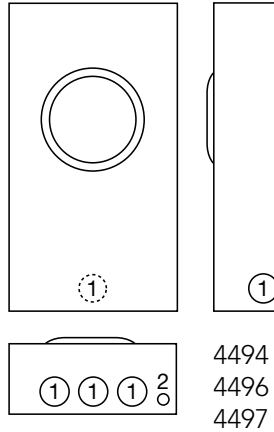


Lever Bypass CT Rated

20 Amp | Ringless | w/ Test Switch Provision



U4497-XL



4494
4496
4497



U4496-ZL-WC-41

20 Amp | Ringless | 1-Piece Cover | CT Rated Socket with Test Switch Provision

Catalog Number	Terminals	Service	Hub	Connectors CU	Bypass	Dimensions			Knockouts	
						D"	W"	H"	1	2
U4494-XL	6	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	12	22	1 $\frac{1}{2}$	$\frac{1}{4}$, $\frac{1}{2}$
U4496-XL	8	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	12	22	1 $\frac{1}{2}$	$\frac{1}{4}$, $\frac{1}{2}$
U4497-XL	13	OH/UG	C.P.	#14 - #4 Max	Lever	4 $\frac{7}{8}$	12	22	1 $\frac{1}{2}$	$\frac{1}{4}$, $\frac{1}{2}$

Notes

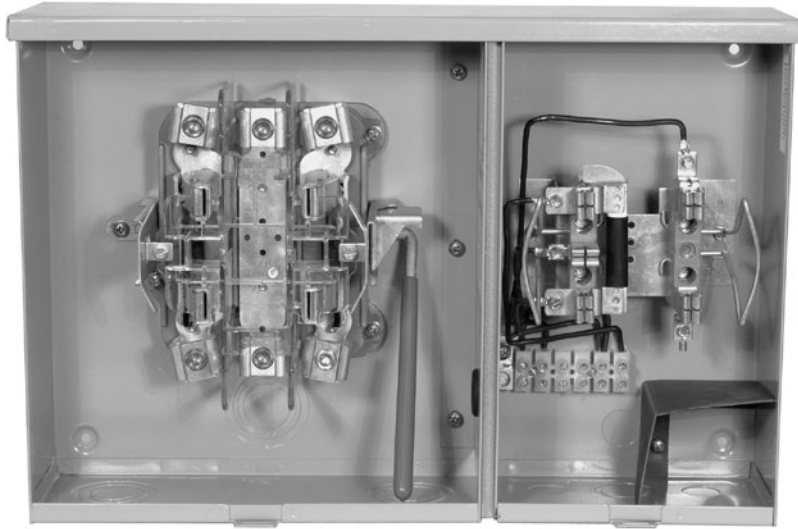
- **Pre-wiring:** If factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch model and number, and meter form number. Please be sure to provide a copy of your wiring diagram.
- **Connectors:** Units are supplied with mechanical type connectors (#4 max).
- **Test Switch Cover:** Units on this page can be used with clear lexan cover. See accessories page for ordering information.



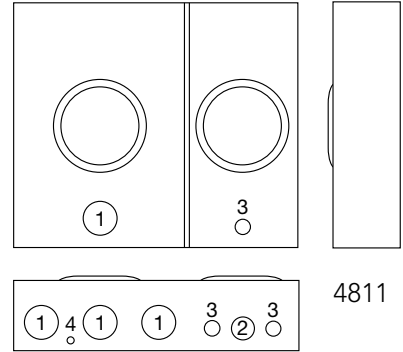
Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Demand Side Management

200/20 Amps | 4 Terminals | Ringless



U4811-O-21



4811

Application

The right position is used for sub-metering by the serving utility when a special electric rate is given to customers for devices that can shed load during high energy demand. Contact your local utility for more information.

Features

- Low voltage compartment in lower right corner
- Left position is a 200 amp, 4 terminal heavy duty lever bypass interior
- Right position is 20 amp rated with a fifth terminal in the 9 o'clock position and a plunger bypass
- Right position is pre-wired to the terminal strip for easy installation

200/20 Amps | 4 Terminals | Two Positions | Off-Peak Metering

Catalog Number	Service	Connectors / CU		Bypass	Dimensions			Knockouts			
		Left Side (Line & Load)	Right Side		D"	W"	H"	1	2	3	4
U4811-O-21	UG	#6-350	Terminal Strip	Lever/Plunger	4 $\frac{7}{8}$	21	18	2	1 $\frac{1}{4}$	$\frac{3}{4}$	1 $\frac{1}{4}$, $\frac{1}{2}$

Notes

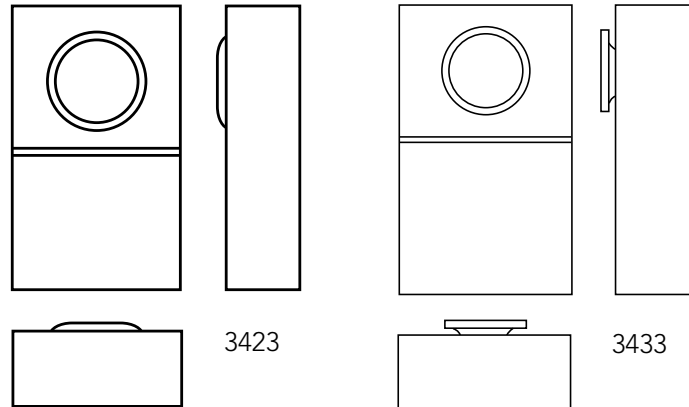
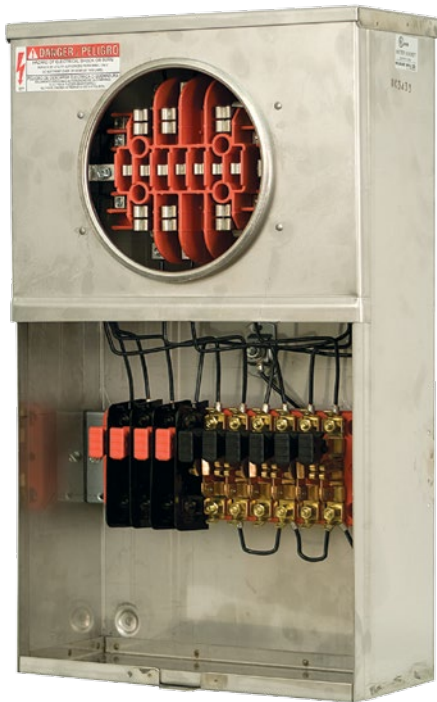
- **Fifth Terminal:** For field installed fifth terminal on left (200 amp) side, order catalog number **K3866**.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



Stainless Steel CT Rated

20 Amps | with Test Switch Provision



UCSS3433-O
(shown as UCSS3433-O-141
pre-wired unit)

20 Amps | Ringless | CT Rated Socket with Test Switch Provision | Stainless Steel

Catalog Number	Terminals	Service	Hub	Connectors CU	Cover	Dimensions			Knockouts
						D"	W"	H"	
UCSS3423-O	13	OH/UG	Blank	#14 - #2 Max	2-Piece	5½	12	20	None

20 Amps | Ring Type | CT Rated Socket with Test Switch Provision | Stainless Steel

Catalog Number	Terminals	Service	Hub	Connectors CU	Cover	Dimensions			Knockouts
						D"	W"	H"	
UCSS3433-O	13	OH/UG	Blank	#14 - #2 Max	2-Piece	5½	12	20	None

Notes

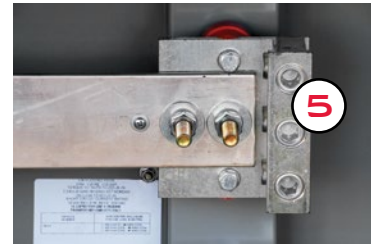
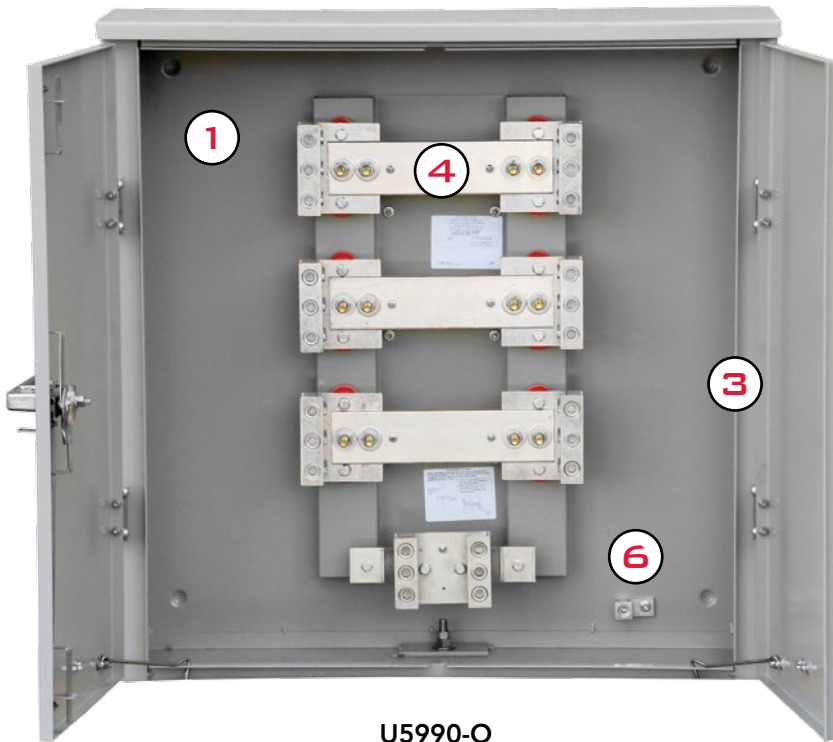
- **For Conduit Opening Applications:** All conduit openings have dimples provided to center location. Top conduit opening must have water-tight hub installed.
- **Other Stainless Steel Products:** Most units available in stainless steel—contact Milbank for details.
- **EUSERC Approval:** The UCSS3433-O is EUSERC compliant.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

CT Cabinets

Features & Benefits



(Window-style CT—
not included)

HIGHLIGHTS AND FEATURES

- 1 Powder Coat Painted NEMA 3R Shell:** As with all Milbank products, our enclosures are constructed of G90U galvanized steel and finished with attractive, light gray, baked powder coating. Our state-of-the-art finish combines epoxy and polyester hybrid resins into a hybrid powder coating which is then electrostatically applied. This offers a durable, non-fading finish.
- 2 Three-Point Latching Handle & Locking Mechanism:** Padlocking handle with three-point latching system allows for easy locking and securing of the unit.
- 3 Hinged Double Doors:** Hinged overlapping double doors enhance ease-of-access and are secured with three-point latching system.
- 4 Bar-Type CT Rack:** Includes pre-placed studs to mount bar-type CTs. Withstand rating is 50K.
- 5 Lugs:** Line, load and neutral rack lugs are single 600 kcmil or twin 250 kcmil.
- 6 Grounding Lug:** Single position, 350 kcmil.

Some units available in stainless steel—contact Milbank for details.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Current Transformer Cabinets

Continuous Hinge | Padlock Provision



Current Transformer Cabinets | Type 3R

Catalog Number	Gauge Steel	Dimensions			Panel Size		Painted Steel Panel Catalog Number	Wood Backboard Catalog Number
		W"	H"	D"	W"	H"		
243210-LC3R-SP	14	24	32	10	21	29	A-24P32	A-24P32W
303610-LC3R-SP	14	30	36	10	27	33	A-36P30	A-36P30W
323610-LC3R-SP	14	32	36	10	29	33	A-32P36	A-32P36W
363612-LC3R-SP	14	36	36	12	33	33	A-36P36	A-36P36W
423616-CT3R	14	42	36	16	39	33	A-42P36	A-42P36W

PT Cabinets

Catalog Number	Dimensions			Knockout	Material
	D"	W"	H"		
PT48L	8	8	27½	2½" - right side	Steel
PT48AL	8	12	36	2½" - right side	Aluminum
PT48R	8	8	27½	2½" - left side	Steel
PT48AR	8	12	36	2½" - left side	Aluminum



PT48AR*



S7860

Notes

- **Features:** Supplied with studs, continuous hinge and padlock provision. Steel panels and plywood backboard are optional.
- **LC3R-SP:** Indicates a single door with two padlockable wind handles.
- ***PT48:** **PT48L** and **PT48AL** has mounting emboss on the right side to be mounted on left side of CT cabinet. **PT48R** and **PT48AR** have mounting emboss on left side to be mounted on right side of CT cabinet.
- **Pole Mounting:** For pole mounted CT rack applications, order catalog number **S7860**.
- There are other sizes of outdoor transformer cabinets available, contact Milbank or refer to our enclosures catalog for details.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Transformer Cabinets

CT and PT Cabinets



363612-CT3R

Application

- For use as a current transformer cabinet or panel enclosure.
- For outdoor use to provide protection against rain, sleet and snow, or indoor use to protect against dripping water.

Construction

- Enclosure and cover manufactured from 16 or 14 gauge G90U galvanized steel.
- The doors are overlapping with no center post.
- Continuous door hinge with stainless steel hinge pins.
- Three point pad-lockable handle.
- Panel mounting studs provided for optional back panels.
- Drip shield top and seam-free sides, front and back.

Finish

- ANSI 61 gray polyester powder coating over phosphatized G90U galvanized steel.

Current Transformer Cabinets | Panel Enclosure

Catalog Number	Weight	Dimensions			Steel Panel Catalog #	Wood Panel Catalog #
		W"	H"	D"		
303610-CT3R	99	30	36	10	A-36P30	A-36P30W
363010-CT3R	99	36	30	10	A-36P30	A-36P30W
363016-CT3R	121.5	36	30	16	A-36P30	A-36P30W
363610-CT3R	113	36	36	10	A-36P36	A-36P36W
363612-CT3R	118	36	36	12	A-36P36	A-36P36W
363616-CT3R	139	36	36	16	A-36P36	A-36P36W
443010-CT3R	116	44	30	10	A-30P44	A-30P44W
483612-CT3R	147	48	36	12	A-48P36	A-48P36W
483616-CT3R	163	48	36	16	A-48P36	A-48P36W
484812-CT3R	210	48	48	12	A-48P48	A-48P48W
606013-CT3R	274	60	60	13	A-60P60	A-60P60W

Notes

- **Wall or Pole Mount:** For wall or pole mount CT rack order **S7860**. This unit accommodates 3 donut style CTs. The removable cover makes wiring much easier.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



Current Transformer Cabinets

Compatible with Field Installable Racks

Screw Cover Current Transformer Cabinets

*	Catalog Number	Compatible CT Racks (see next page for matching code)	Dimensions			Front Cover
			W"	H"	D"	
	CT24329-SC	C, M	24	32	9	1 Piece
	CT242411-SC	A4, C, M, Q	24	24	11	1 Piece
	CT243011-SC	A4, C, M, Q	24	30	11	1 Piece
	CT243611-SC	A4, C, J, M, Q	24	36	11	1 Piece
*	CT244811-SC	A, C, D, J, M, Q	24	48	11	1 Piece
*	CT303011-SC	A4, B4, C, E, L, M, Q, R	30	30	11	1 Piece
*	CT303611-SC	A4, B4, C, E, J, K, L, M, Q, R	30	36	11	1 Piece
*	CT303614-SC	A4, B4, C, E, J, K, L, M, Q, R	30	36	14	1 Piece
*	CT363611-SC	A4, B4, C, E, J, K, L, M, Q, R	36	36	11	1 Piece
*	CT364211-SC	A4, B4, C, E, J, K, L, M, Q, R	36	42	11	2 Pieces
*	CT364811-SC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	36	48	11	2 Pieces
*	CT364814-SC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	36	48	14	2 Pieces
*	CT424211-SC	A4, B4, C, E, J, K, L, M, Q, R	42	42	11	2 Pieces
*	CT484811-SC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	48	48	11	2 Pieces



CT24329-SC



CT203611-HC

Hinge Cover Current Transformer Cabinets

*	Catalog Number	Compatible CT Racks (see next page for matching code)	Dimensions			Front Cover
			W"	H"	D"	
	CT203611-HC	C	20	36	11	1 Piece
	CT243011-HC	A4, C, M, Q	24	30	11	1 Piece
	CT243611-HC	C, M	24	36	11	1 Piece
*	CT244811-HC	A, C, D, J, M, P, Q	24	48	11	1 Piece
*	CT303611-HC	A4, B4, C, E, J, K, L, M, Q, R	30	36	11	1 Piece
*	CT304811-HC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	30	48	11	1 Piece
*	CT363611-HC	A4, B4, C, E, J, K, L, M, Q, R	36	36	11	1 Piece
*	CT364811-HC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	36	48	11	1 Piece
*	CT484811-HC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	48	48	11	2 Pieces
*	CT364814-HC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	36	48	14	2 Pieces
*	CT484814-HC	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R	48	48	14	2 Pieces

Notes

- **EUSERC Approval:** Units denoted with an asterisk (*) are EUSERC compliant.
- **Enclosure:** These units are rated Type 3R, powder coat painted and constructed of galvanized steel.
- **Mounting Rack:** Select CT mounting rack from the next page.
- **Mounting:** ¼-20 welded studs spaced to accept mounting racks.

CT Cabinet Mounting Racks

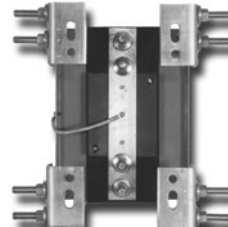
Stud & Lug Types



K4797



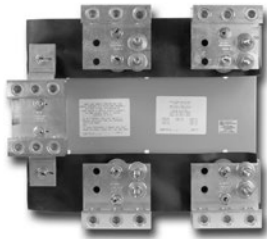
K4798



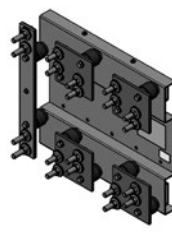
K4793



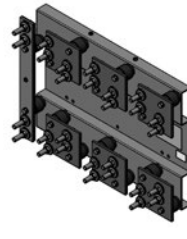
K4722



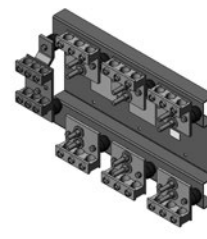
K4729



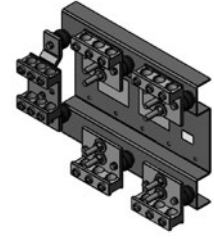
K5932



K5933



K5930



K5931

Screw Cover Current Transformer Cabinets

* Code	Catalog Number	SCCR Rating	Amps	Volts	Type of Service	Termination Type
* A4	K4797	50K	400	600	1Ø3W	½"-13 studs on 1¾" centers
* A	K4797	50K	800	600	1Ø3W	½"-13 studs on 1¾" centers
* B4	K4798	50K	400	600	3Ø4W	½"-13 studs on 1¾" centers
* B	K4798	50K	800	600	3Ø4W	½"-13 studs on 1¾" centers
* C	K4793	10K	201-400	600	1Ø3W	½"-13 studs on 1¾" centers
* D	K4795	10K	401-800	600	1Ø3W	½"-13 studs on 1¾" centers
* E	K4794	10K	201-400	600	3Ø4W	½"-13 studs on 1¾" centers
* F	K4796	10K	401-800	600	3Ø4W	½"-13 studs on 1¾" centers
* G	K4729	50K	800	600	1Ø3W	(3) #4-600 or (6) #1-250
* H	K4722	50K	800	600	3Ø4W	(3) #4-600 or (6) #1-250
* J	K4903	50K	400	600	1Ø3W	(1) #4-600 or (2) #1-250
* K	K4904	50K	400	600	3Ø4W	(1) #4-600 or (2) #1-250
L	K5747	50K	800	600	3Ø4W	Line: ½"-13 studs on 1¾" centers Load: (3) #4-600 or (6) #1-250
M	K5752	50K	800	600	1Ø3W	Line: ½"-13 studs on 1¾" centers Load: (3) #4-600 or (6) #1-250
N	K5930	50K	800	600	3Ø4W	(3) #4-600 or (6) #1-250
P	K5931	50K	400	600	1Ø3W or 3Ø3W	(1) #4-600 or (2) #1-250
Q	K5932	50K	400	600	1Ø3W or 3Ø3W	½"-13 studs on 1¾" centers
R	K5933	50K	400	600	3Ø4W	½"-13 studs on 1¾" centers

Notes

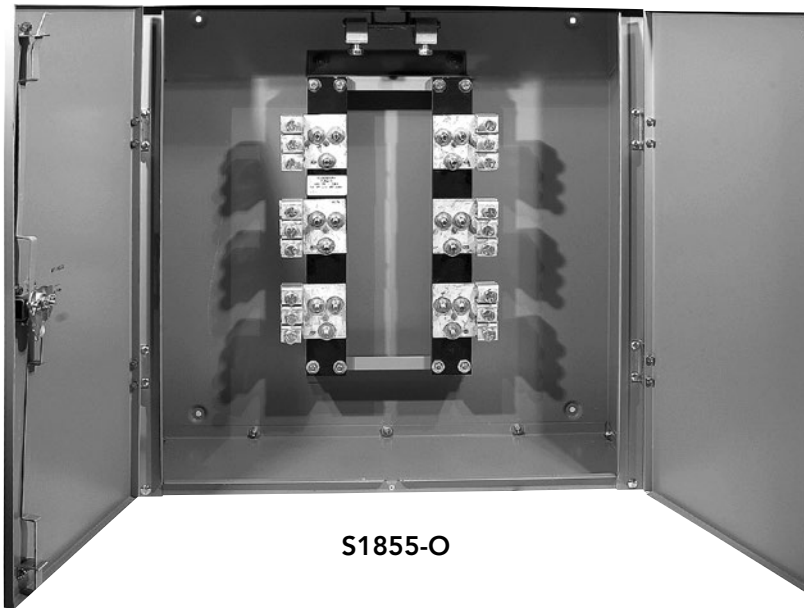
- **EUSERC Approval:** Units marked with an asterisk are EUSERC compliant.
- CT racks on this page are for use with bar type CTs.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

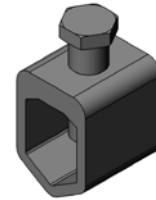


Current Transformer Cabinets

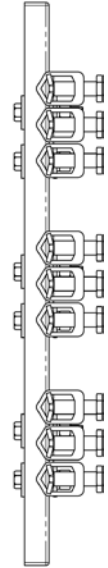
with Factory Installed CT Racks | 600 VAC



S1855-O



Connector detail



Current Transformer Cabinets | Non-UL Approved

Catalog Number	Amps	Hub	Gauge Steel	Connectors CU/AL	Dimensions		
					D"	W"	H"
S1855-O	400–800	Blank	12	(3) 3/0-750 kcmil per phase	12	36	36
S1856-O	800–1200	Blank	12	(5) 3/0-750 kcmil per phase	12	48	48

Notes

- **Features:** These enclosures have three-point locking handles, liftoff hinges with stainless steel pins and two doors.

Current Transformer Cabinets

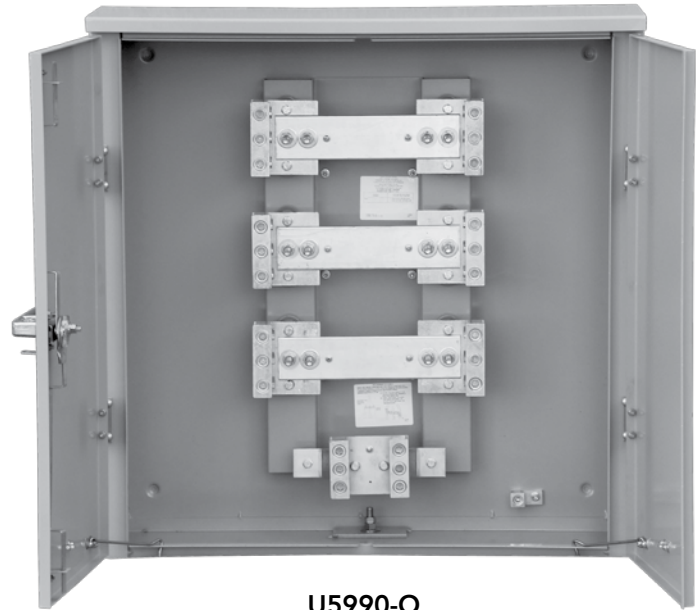
400 & 800 Amps

23

400 & 800 AMP
TRANSFORMER
CABINETS



U4468-XT



U5990-O

Current Transformer Cabinets | 3Ø

Catalog Number	Ampacity Wiring Chart				Hub	Dimensions		
	Amps	Wire Qty. Per Phase	Aluminum Conductor	Copper Conductor		D"	W"	H"
U4468-XT	400	1	—	600 kcmil	(2) C.P.	10	24	45
	400	2	250 kcmil	3/0				
U4468-XT-K4469	800	2	—	600 kcmil	(2) C.P.	10	24	45
	800	4	250 kcmil	3/0				
U5990-O	800	3	600 kcmil or 2-250	600 kcmil or 2-250	Blank	10	36	36

Notes

- **Hubs:** U4468 is supplied with two closing plates as standard. To order hubs, refer to the accessories section.
- **Studs:** The U4468 is supplied with ½"-13 twin studs with hex nuts with Belleville washers to mount bar-type transformers.
- **800 Amp Conversion Kit:** To convert U4468 from 400 amps to 800 amps, order catalog number K4469.
- **Padlock:** The U4468 is provided with a padlockable 2-point latch. The U5990 is provided with a padlockable handle with 3-point latching mechanism.
- **Withstand Rating:** 50K SCCR available when conductors are lashed per instructions on label.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

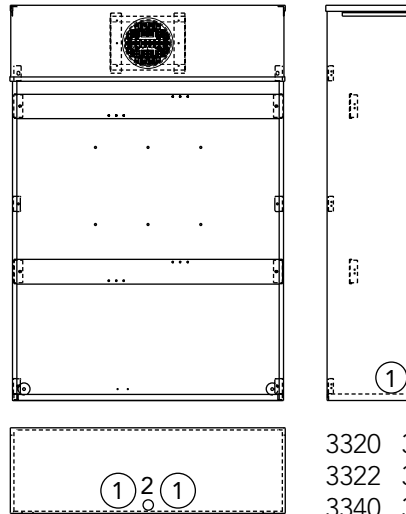


Metered Transformer Cabinets

Screw Cover | Ring Type



S3565-O



Metered Transformer Cabinets | Ring Type

Catalog Number	Terminals	Service	Hub	Compatible CT Racks (see pg. 21 for matching code)	Type of Service	Dimensions			Knockouts	
						D"	W"	H"	1	2
U3320-R	6	OH	H.O.	A, C, D, J, L, M	1Ø3W	11	24	42	4	1
U3322-R	13	OH	H.O.	B, E, F, G, H, L, M	3Ø4W Y or Δ	11	36	42	4	1
U3555-R	15	OH	H.O.	B, E, F, G, H, L, M	3Ø4W Y or Δ	11	36	42	4	1
U3340-O	6	UG	Blank	A, C, D, J, L, M	1Ø3W	11	24	52	4	1
U3342-O	13	UG	Blank	B, E, F, G, H, L, M	3Ø4W Y or Δ	11	36	52	4	1
U3565-O	15	UG	Blank	B, E, F, G, H, L, M	3Ø4W Y or Δ	11	36	52	4	1

Notes

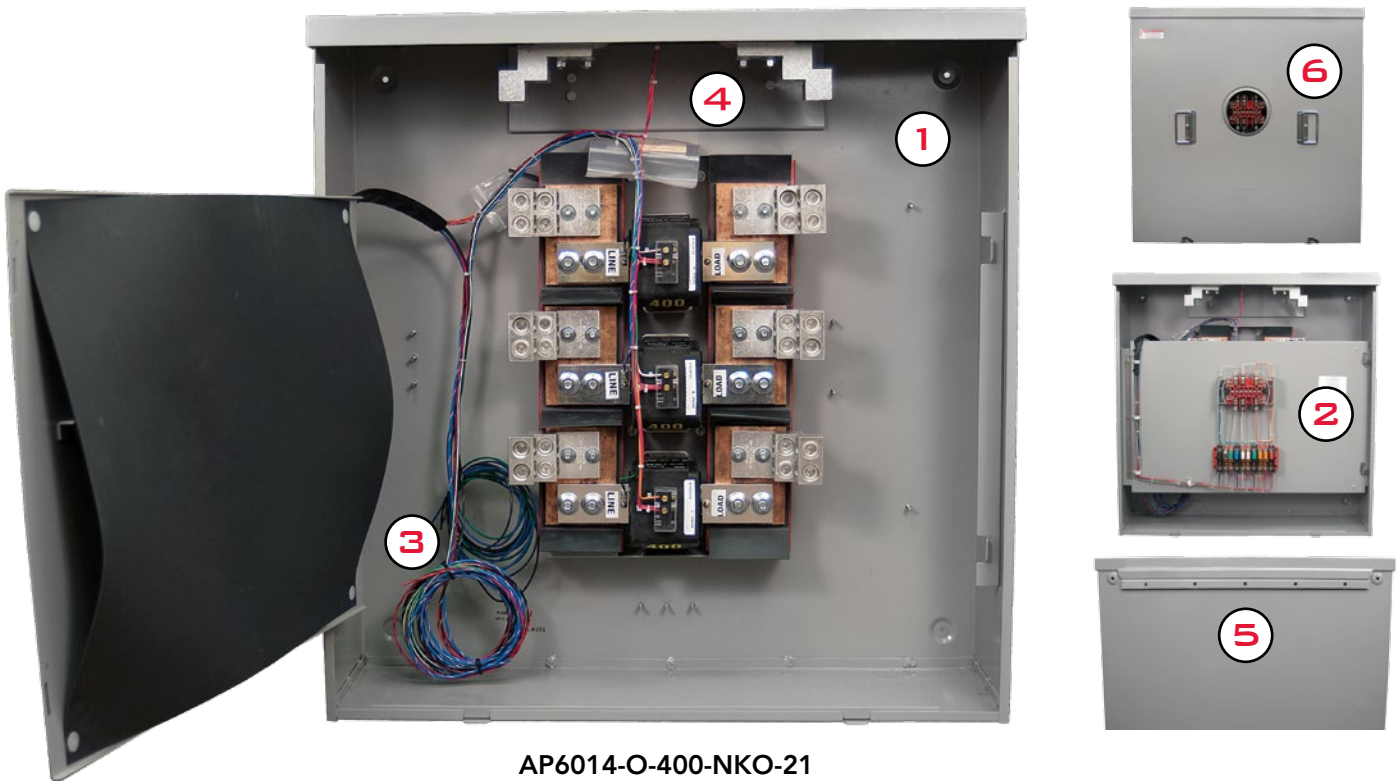
- **Meter Socket:** 20 amp current transformer meter socket built in.
- **Enclosure:** NEMA Type 3R with screw cover.
- **Current Transformer Mounting:** ¼-20 welded studs.
- **Hubs:** For proper hub selection, see hub suffix chart in the accessories section.
- **Sealing Rings:** Supplied with MR-4 screw type sealing ring.
- **Lugs:** For mounting rack information, refer to page 21.
- **Test Switches:** These units include test switch provision to mount above or below CT rack. Will accept 7 or 10 pole test switches.
- **EUSERC Approval:** All units on this page are EUSERC compliant.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Transockets

Features & Benefits



AP6014-O-400-NKO-21

HIGHLIGHTS AND FEATURES

Transocket Overhead/Underground Capabilities: From the factory, the rack is oriented for underground applications but can be rotated 180° for overhead applications. The neutral lugs can be mounted on the side for overhead applications. The VT pack mounting bridge moves from the top to the right side for overhead applications.

- 1 NEMA 3R Aluminum Shell:** The aluminum shell reduces the overall weight of the unit compared to a steel shell. Shell is powder coated.
- 2 Meter Socket & Test Switch on Swinging Door:** Unit includes a 13-terminal CT-rated block. An 8-terminal block option is also available. Includes a 10-pole test switch. A 7-pole test switch option is also available. Factory pre-wired to conform to individual utility specifications.
- 3 Utility-Specific Wiring Harness:** Wiring harness is color configured and wired per the utility specifications.
- 4 VT Pack Mounting Bridge:** VT pack mounting bridge allows for installation of VT packs.
- 5 Wall Mount Bracket:** Provides an easier means of installation for one installer, who can pre-mount the bracket and then hang the unit onto the wall bracket.
- 6 Stainless Steel Liftoff Handles:** The durable, rust-resistant hinged handles lay flat against the front.

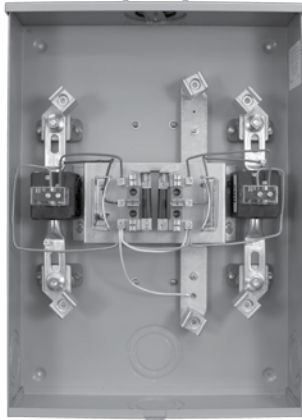


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

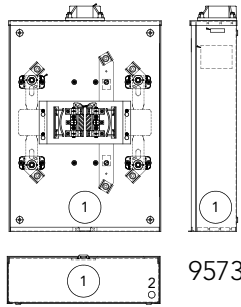
Transockets

400–600 Amps | Ringless | 600 VAC

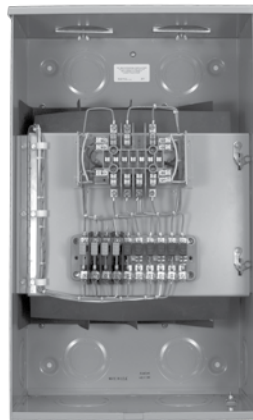
27
400–600 AMP
TRANSOCKETS



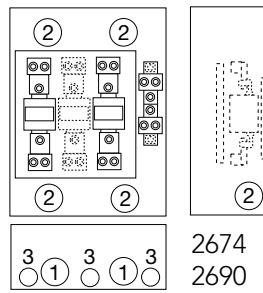
S9573-X



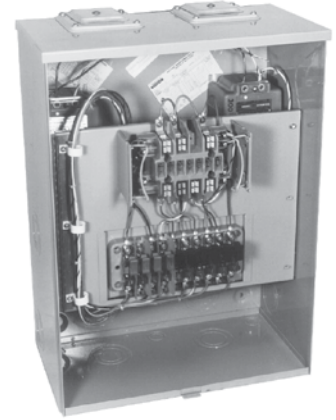
9573



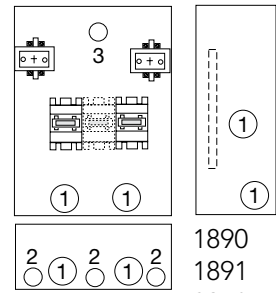
S2674-XT



2674
2690
3831



S1890-XT



1890
1891
3912

400 Amps | Transockets | Bar Type CTs Only | Ringless | 600 VAC

Catalog Number	Terminals	Meter Form	Hub	CTs Qty. and Ratio	Termination Type	Dimensions			Knockouts		
						D"	W"	H"	1	2	3
S9573-X	6	4S	C.P.	(2) 200/5	Lay-in lugs	5¼	19½	27	3½	¼,½	—
S3831-XT	6	4S	(2) C.P.	(2) 200/5	Mechanical lugs	11¼	18	30	4	3½	1
S2690-XT	8	5S	(2) C.P.	(2) 200/5	Mechanical lugs	11¼	18	30	4	3½	1
S2674-XT	13	8S	(2) C.P.	(3) 200/5	Mechanical lugs	11¼	18	30	4	3½	1

600 Amps | Transockets | With PTs and Donut Type CTs | Ringless | 600 VAC

Catalog Number	Terminals	Meter Form	Hub	PTs Qty. and Ratio	CTs Qty. and Ratio	Termination Type	Dimensions			Knockouts		
							D"	W"	H"	1	2	3
S1891-XT	8	5S	(2) C.P.	(2) 4:1	(2) 200/5	Lugs mounted directly to current transformer	9½	18	24	2½	1	1¼
S3912-XT-21	13	8S	(2) C.P.	(2) 4:1	(2) 200/5	Lugs mounted directly to current transformer	9½	18	24	2½	1	1¼
S1890-XT	14	5S	(2) C.P.	(2) 4:1	(2) 200/5	Lugs mounted directly to current transformer	9½	18	24	2½	1	1¼

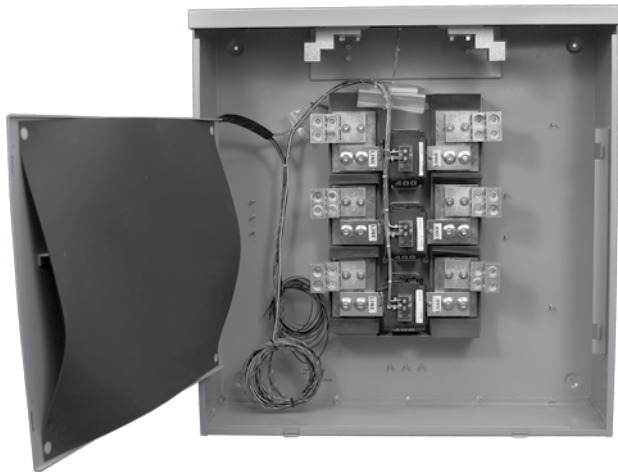
Notes

- **Hubs:** To order hubs as extra, refer to the hub suffix chart in the accessories section.
- **Prewiring:** Units supplied prewired with test switch and transformers in place. Contact factory if prewiring is desired.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



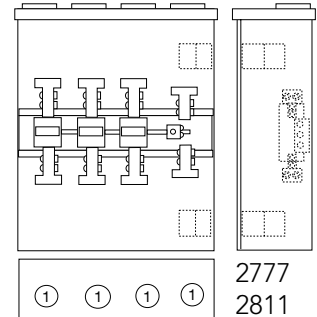
Compatible with CTs, PTs, or VT Packs



A6014-O-400-NKO
(shown factory prewired)



S2777-4X
(shown factory prewired)



400–1000 Amps | 8 & 13 Terminals | Ringless | Transocket

Catalog Number	Terminals	Service	Phase	Test Switch	Hub	VT Pack Provision	CTs Qty. & Ratio	Dimensions			Knockouts
								D"	W"	H"	
A6015-O-400-NKO	8	OH/UG	1Ø or 3Ø3W	7-pole	Blank	Yes	(2) 400/5	12 ¹ / ₁₆	36	37	None
A6014-O-400-NKO	13	OH/UG	3Ø4W	10-pole	Blank	Yes	(3) 400/5	12 ¹ / ₁₆	36	37	None

Notes

- **Shell:** Shell is unpainted aluminum and 3R rated.
- **Prewiring:** If custom factory prewiring is required, be sure to specify test switch requirements, meter form number and provide a copy of your wiring diagram. If CTs are to be factory installed, specify CT ratio.
- **VT Pack Provision:** VT pack bridge included; VT pack not included.
- **Removable/Rotatable CT Rack:** These units include a CT rack which can be rotated 180 degrees for both overhead or underground applications.
- **Wall Mount Bracket:** Bracket included for ease of hanging and installation.
- **Lugs:** Lugs are included with these units.

1600 Amps | 14 Terminals | Ringless | 3Ø4W | Transocket

Catalog Number	Terminals	Service	Test Switch	Hub	PTs Quantity & Ratio	CTs Quantity & Ratio	Dimensions			Knockouts
							D"	W"	H"	
S2777-4X	14	OH/UG	10-pole	(4) C.P.	(2) 2.5:1	(3) 400/5	14	30	42	½
S2811-4X	14	OH/UG	10-pole	(4) C.P.	None	(3) 400/5	14	30	42	½

Notes

- **Hubs:** Units supplied with 4 closing plates as standard. To order hubs as extra, refer to the accessories page.
- **Pre-wiring:** If custom factory prewiring is required, be sure to specify test switch requirements, meter form number and provide a copy of your wiring diagram. If CTs are to be factory installed, specify CT ratio, and PTs if applicable.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

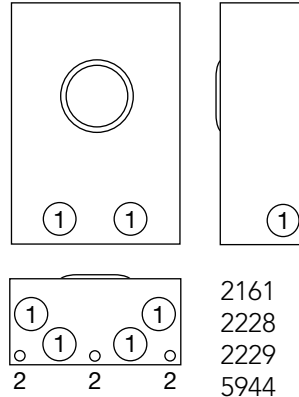
Transockets

400 Amps | 600 VAC

29
400 AMP
TRANSOCKETS



U5944-XT
(shown factory prewired)



U2161-XT

400 Amps | 6–13 Terminals | Ringless | Transockets

Catalog Number	Terminals	Service	Front Cover	Phase	Test Switch	Hub	Dimensions			Knockouts	
							D"	W"	H"	1	2
U2228-XT	6	OH/UG	Hinged	1Ø	Provision	(2) C.P.	12	24	34	4	1
U2229-XT	8	OH/UG	Hinged	1Ø or 3Ø3W	Provision	(2) C.P.	12	24	34	4	1
U2161-XT	13	OH/UG	Hinged	3Ø4W	Provision	(2) C.P.	12	24	34	4	1
U5944-XT	13	OH/UG	Lift-off	3Ø4W	Provision	(2) C.P.	12	24	34	4	1

Notes

- **Hubs:** Units are supplied with two closing plates as standard. To order hubs as extra, refer to the accessories page.
- **Shell:** Shell is powder-coat painted G90 galvanized steel and 3R rated.
- **Pre-wiring:** If custom factory prewiring is required, be sure to specify test switch requirements, meter form number and provide a copy of your wiring diagram. If CTs are to be factory installed, specify CT ratio. There is no provision for PTs in this unit.
- **Studs:** ½"-13 twin studs are supplied to mount bar type transformers. Hex nuts with Belleville washers are also supplied.
- **Lugs:** Lugs are included with these units.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



30

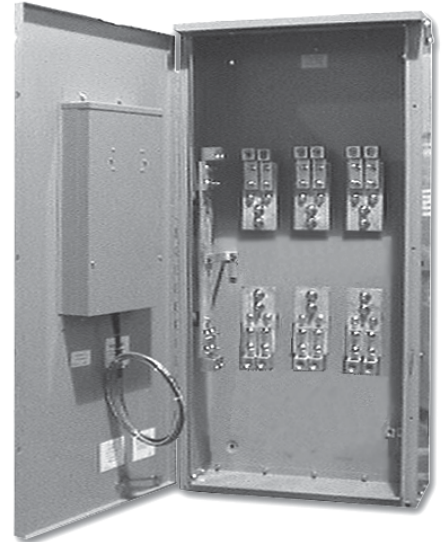
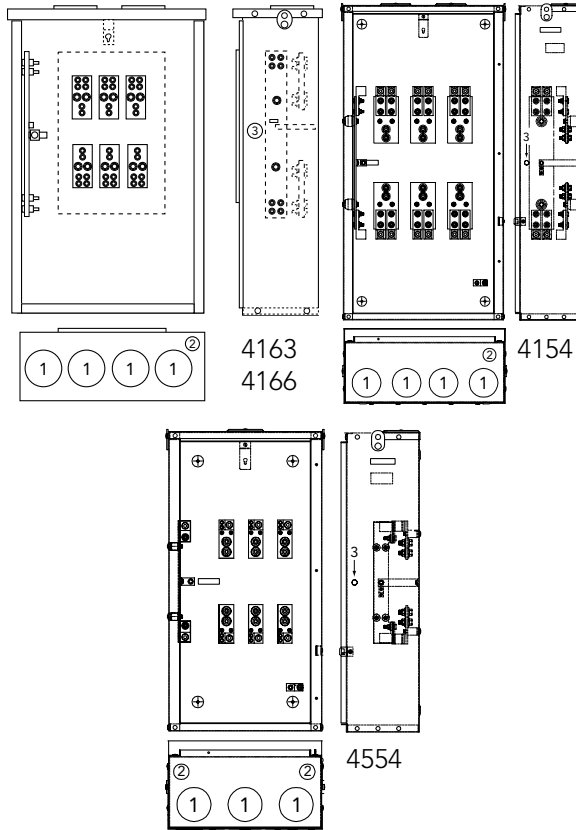
200/400/800 AMP
TRANSOCKETS

Transockets

200/400/800 Amps | 600 VAC



U4163-XT-11-LI



U4163-XT-11-LI

200/400/800 Amps | 6 & 13 Terminals | Transockets | Ringless

Catalog Number	Terminals	Service	Amps	Hub	Connectors		Phase	Dimensions			Knockouts		
					Line	Load		D"	W"	H"	1	2	3*
U4554-X-Z21-LI	6	OH/UG	200/400	C.P.	#4-600	#4-600	1Ø	10	21	41	4	1¼	¾
U4166-XT-Z21-LI	6	OH/UG	400/800	C.P.	#4-600	#4-600	1Ø	10	26	51	4	1¼	¾
U4523-X-Z11-LI	13	OH/UG	200/400	C.P.	#4-600	#4-600	3Ø	10	21	41	4	1¼	¾
U4163-XT-11-LI	13	OH/UG	400/800	C.P.	#4-600	#4-600	3Ø	10	26	51	4	1¼	¾

Notes

- ***Knockout #3:** This is a 3/8" hole with plastic plug, not a concentric knockout.
- **Lugs:** Lugs are provided and are rated up to single 600 kcmil - #4 AWG.
- **Short Circuit Current Withstand Rating:** These units have a 50K short circuit current withstand rating.
- Units furnished with 1/2"-13 studs, washers and hex nuts and bolt with conical washer for CT mounting.

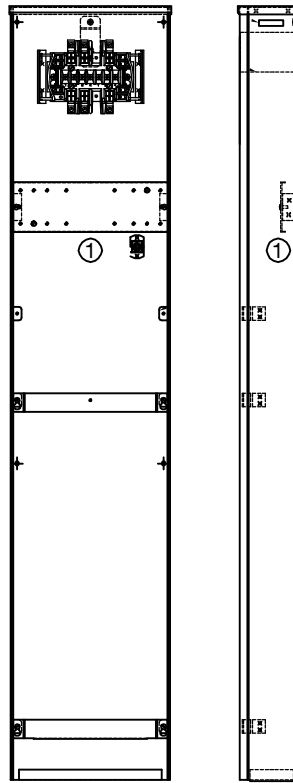


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Instrument Rated Pedestal

20 Amps | 13 Terminals | With Test Switch Provision

31
INSTRUMENT
RATED
PEDESTAL



S4084-O

Ringless | Instrument Rated Pedestal | With Test Switch Provision

Catalog Number	Terminals	Hub	Meter Form	Connectors CU	Bypass	Dimensions			Knockouts
						D"	W"	H"	1
S4084-O	13	Blank	6, 8, 9 & (ALT) 10S	#14 - #4 Max	None	4 1/8	12	58	1 1/4

Notes

- Contact factory for details.
- Also available in 6 & 8 terminals.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



Instrument Rated Commercial Pedestals

Attractive | Easy to Install | Secure | Cost-effective



Milbank Commercial Pedestals are pad-mounted, weatherproof electrical enclosures consisting of a utility pull section with optional meter socket, and a customer section containing distribution and control equipment. 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.

Standard Features

- Type 3R rainproof, vandal-resistant cabinet of powder-coated steel (aluminum or stainless steel also available)
- UL-listed as enclosed industrial control equipment (UL508)
- Isolated lockable & 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
- All stainless steel external hardware (screws, bolts, hinges, handles, hasps and sealing screws)



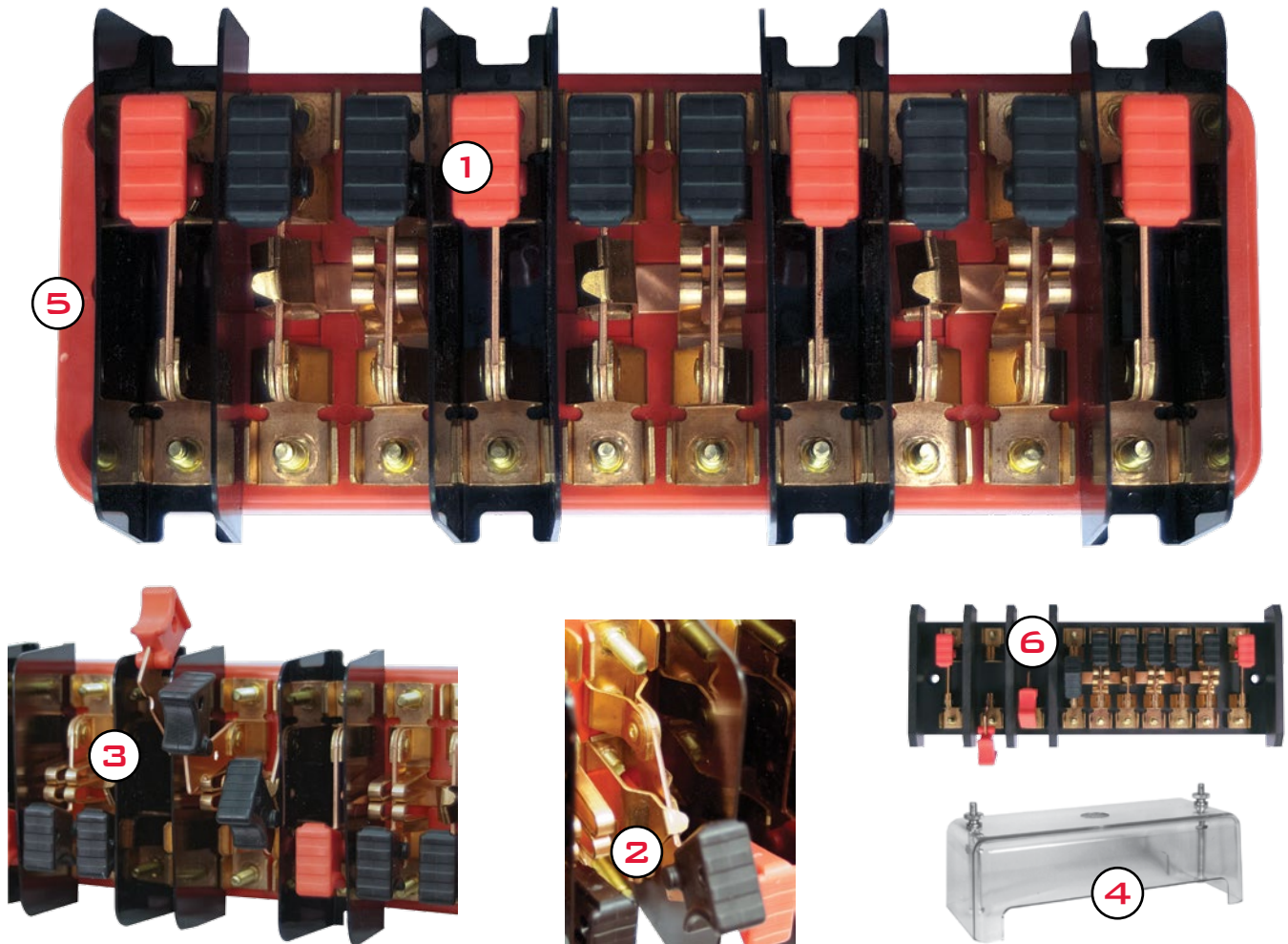
Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



Test Switches

Features & Benefits



HIGHLIGHTS AND FEATURES

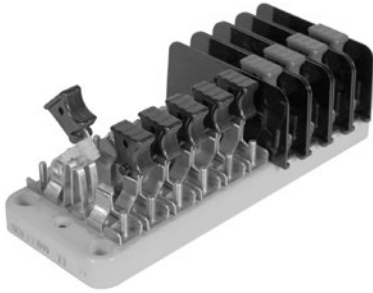
- 1 Handle Color Options:** Standard colors are black for current and red for potential. Many non-standard colors are available—contact Milbank for details. Handle material is polypropylene.
- 2 45 Degree Stops:** 90 degree bends on 45 degree stops are standard. 180-degree bends are available where additional strength is required.
- 3 Test Switch Barriers:** Test switch barriers are made of polycarbonate as standard.
- 4 Test Switch Covers:** Polycarbonate (clear or black). Test switch cover is clear when factory-installed unless otherwise specified.
- 5 Test Switch Base:** Test switch bases are red as standard and made of glass polyester.
- 6 Arboron Test Switch Base & Barriers Option:** Base and barriers are available in Arboron, a thicker and more rigid material that provides extra strength.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Test Switches

Details & Test Switch Covers



Switch Blades

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

Test Switch Covers

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

Standard Cover



Test Switch Base

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

Switch Jaws

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

Nickel Plating Option

Corrosion-resistant test switches with nickel plating are available as an option.



Polarity Barrier

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

Current Carrying Parts

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

Flush Mount Cover (Black)



Socket shells must be 5/8" deep
-OR-

must not have test switch bridge
mounted on back
in order to support a cover.

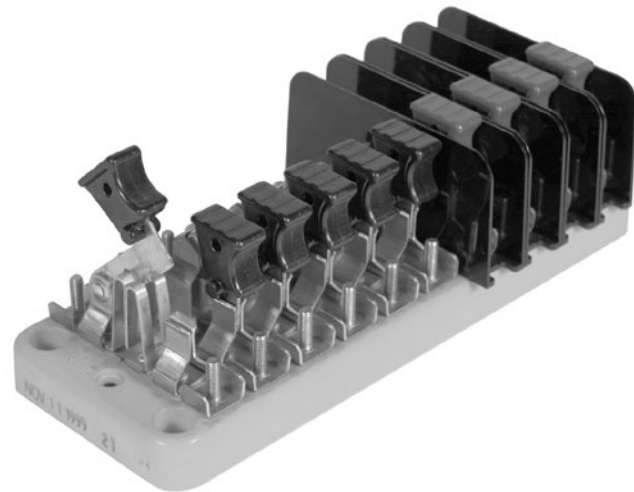
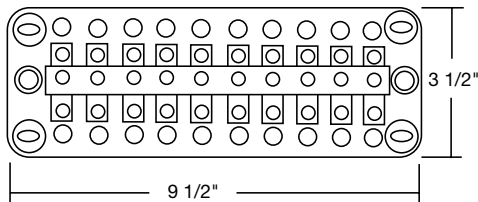
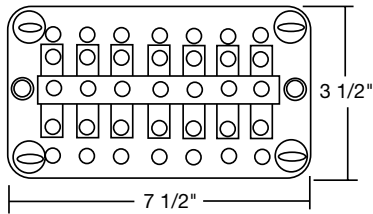
Factory Installed: For cover installed add the suffix **-WC** or **-WCFL** to the catalog number of desired test switch.


Field Installed: For field installed cover order kit number **K3388** or **K3388-BLK-FL**.

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

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.














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














Custom Pole Arrangements:

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

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

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

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

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



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Test Switch Worksheet

Electronic version available at milbankworks.com



Customer Name: _____

Address: _____

Phone / Fax #: _____

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

TEST SWITCH BASE

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



Pole Position Chart

1	2	3	4	5	6	7	8	9	10

Special Features

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

Engineering Information: _____

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

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

Number of Poles

- 4
- 7
- 10
- Other _____

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

- Yes | Clear ____ Black ____
- No

Base Size

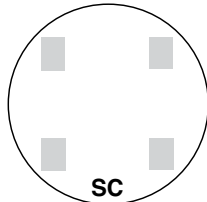
- 7-Pole
- 10-Pole

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

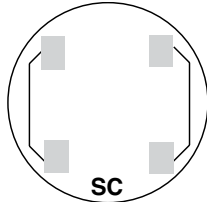


Watthour Meter Forms

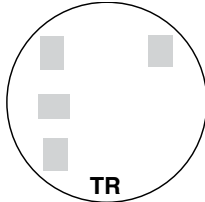
Standard Forms | Transformer Rated or Self-Contained



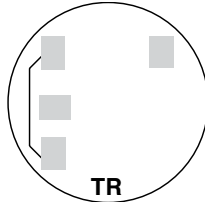
SC
2 and 3-WIRE FORMS
1S & 2S



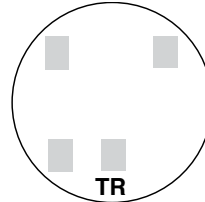
SC
2 and 3-WIRE FORMS
1S & 2S with BYPASS



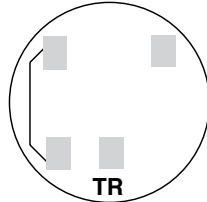
TR
2-WIRE FORM 3S
5th Term. 9 o'clock



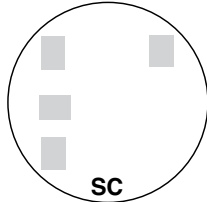
TR
2-WIRE FORM 3S
with BYPASS



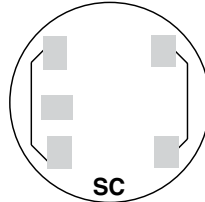
TR
2-WIRE FORM 3S
5th Term. 6 o'clock



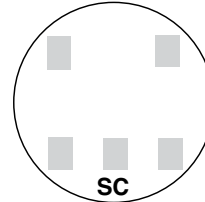
TR
2-WIRE FORM 3S
with BYPASS



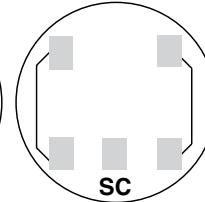
SC
2 ELEMENT
3-WIRE NETWORK
FORM 12S 5th
TERM. 9 o'clock



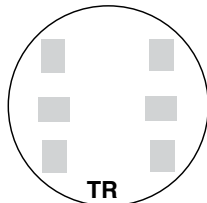
SC
2 ELEMENT 3-WIRE
NETWORK FORM 12S
with BYPASS
5th Term. 9 o'clock



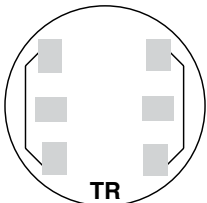
SC
2 ELEMENT
3-WIRE NETWORK
FORM 12S 5th
TERM. 6 o'clock



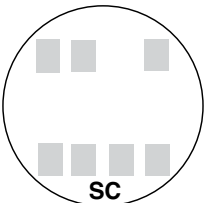
SC
2 ELEMENT 3-WIRE
NETWORK FORM 12S
with BYPASS
5th Term. 6 o'clock



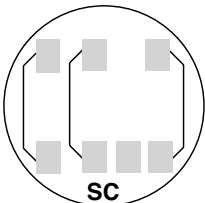
TR
3-WIRE FORM 4S



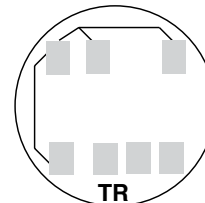
TR
3-WIRE FORM 4S
WITH BYPASS



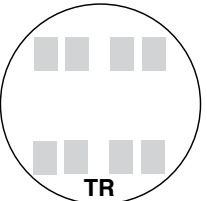
SC
2 or 3 ELEMENT
3Ø4W Y or Δ
Y FORM 14S
Δ FORM 15S



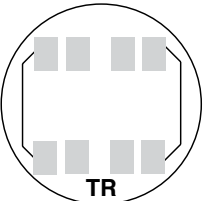
SC
2 or 3 ELEMENT
3Ø4W Y or Δ
FORMS 14S & 15S
with BYPASS



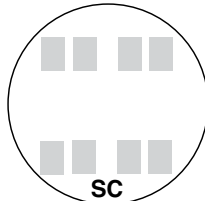
TR
2 ELEMENT
3Ø4W Y or Δ
Y FORM 7S
Δ FORM 24S
with BYPASS



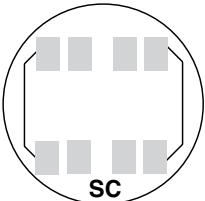
TR
2 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 5S



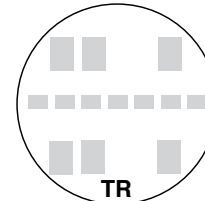
TR
2 ELEMENT 2Ø3W,
2Ø4W, 3Ø3W
FORM 5S with
BYPASS



SC
2 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 13S

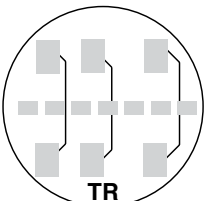


SC
2 or 3 ELEMENT
2Ø3W, 2Ø4W, 3Ø3W
FORM 13S with
BYPASS

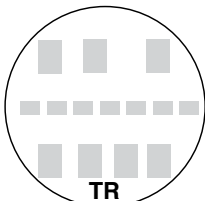


TR
2 or 3 ELEMENT
3Ø4W Y or Δ
Y FORM 9S
Δ FORM 8S

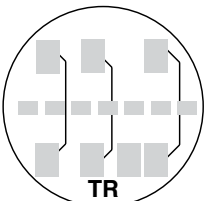
TR = TRANSFORMER RATED
SC = SELF CONTAINED



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



TR
2 ELEMENT
3Ø4W Y
FORM 6S



TR
2 ELEMENT
3Ø4W Y
FORM 6S
with BYPASS

DIAGRAM A

1 \emptyset 2W with 1 P.T. & 1 C.T.
Single Stator Meter (2W1 \emptyset) - Form 35
5T Socket, Test Switch #TS04-0101

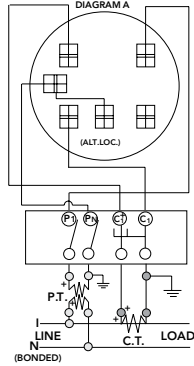


DIAGRAM B

1 \emptyset 3W with 1 C.T.
Single Stator Meter (2W1 \emptyset) - Form 35
5T Socket, Test Switch #TS04-0101

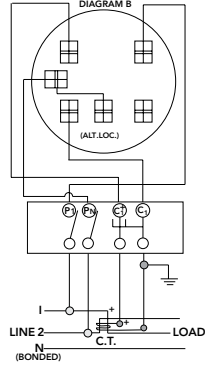


DIAGRAM C

1 \emptyset 3W with 2 C.T.'s
Single Stator Meter (3W1 \emptyset) - Form 45
6T Socket, Test Switch #TS07-0105

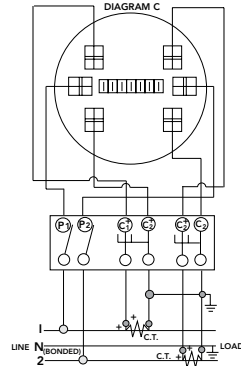


DIAGRAM D

1 \emptyset 3W or 3W Network with 2 C.T.'s
2 Stator Meter - Form 55
8T Socket, Test Switch #TS07-0105

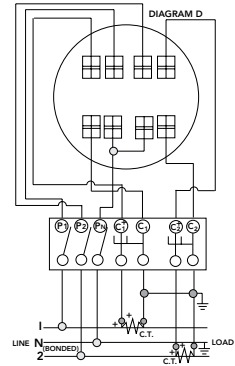


DIAGRAM E

3 \emptyset 3W "A" with 2 P.T.'s & 2 C.T.'s
2 Stator Meter - Form 55
8T Socket, Test Switch #TS07-0105

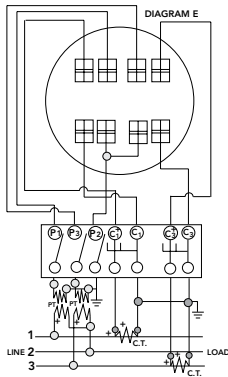


DIAGRAM F

3 \emptyset 3W "A" with 2 C.T.'s
2 Stator Meter - Form 55
8T Socket, Test Switch #TS07-0105

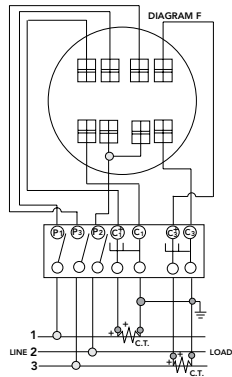


DIAGRAM G

3 \emptyset 4W "Y" with 3 C.T.'s
2 1/2 Stator Meter - Form 65
13T Socket, Test Switch #TS10-0109

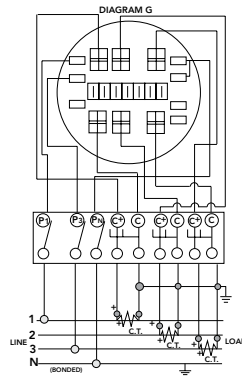


DIAGRAM H

3 \emptyset 4W "Y" with 2 P.T.'s & 3 C.T.'s
2 1/2 Stator Meter - Form 65
13T Socket, Test Switch #TS10-0109

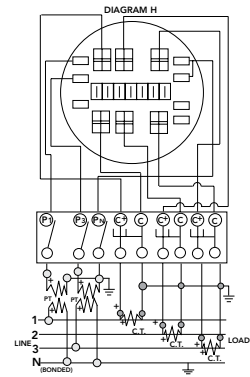


DIAGRAM I

3 \emptyset 4W "Y" or "A" with 3 C.T.'s
"Y" 3 Stator Meter - Form 95
"A" 2 Stator Meter - Form 85
13T Socket, Test Switch #TS10-0109

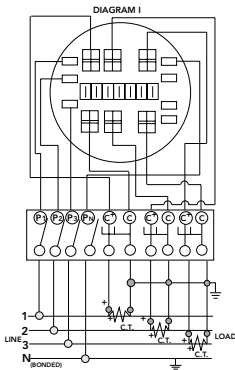
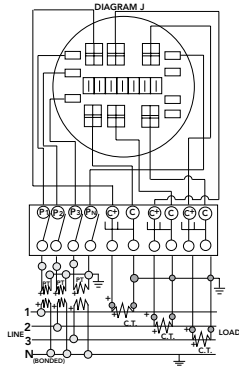


DIAGRAM J

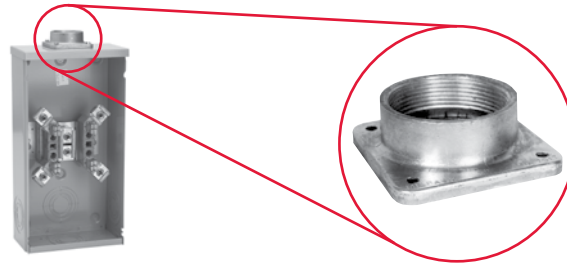
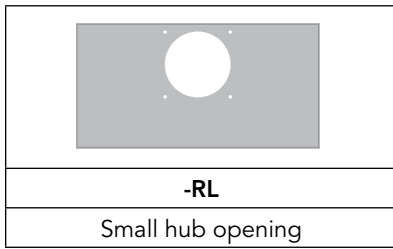
3 \emptyset 4W "Y" with 3 P.T.'s & 3 C.T.'s
3 Stator Meter - Form 95
13T Socket, Test Switch #TS10-0109



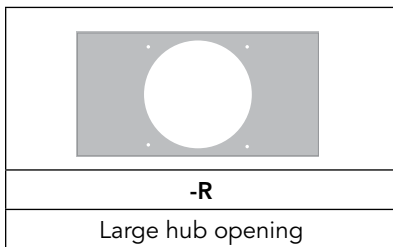
Prewiring: If standard factory prewiring is required, refer to wiring diagrams on this page. Determine appropriate diagram and send a copy with order. If custom factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch make and catalog number, meter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

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.





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



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



Notes

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



Accessories

Closing Covers, Sealing Rings and Touch-Up Paint


Closing Covers

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

Sealing Rings

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

Touch-Up Paint


A-GP - Light Grey

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



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

- A. Give equipment a thorough visual examination to determine that:
 - 1) No shipping or installation damage exists.
 - 2) Proper clearances have been maintained.
 - 3) All connections have been made.
 - 4) Equipment is clean and dry.
- B. Make a thorough examination to:
 - 1) Verify tightness of all bolted connections (see table below).
 - 2) Manually operate all circuit breakers, switches, relays, etc.
 - 3) Check rigidity of all mountings, bus bars and components.
 - 4) Use test equipment to check continuity of circuitry and integrity of insulation.
- C. All switches and circuit breakers should be in the "off" position.
- D. Verify that manual meter bypass (if applicable) is in non-bypass position.
- E. Install cover and/or close doors.
- F. 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

- A. 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

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

Recommended Torque for General Applications*

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

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



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Materials

Steel Quality

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

Steel Sheet

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

Aluminum Extrusion

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

Aluminum Sheet

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

Copper Sheet & Bus

Electrolytic copper with tin plating in most applications.

Insulating Materials

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

Finish

Process

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

Metal 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).

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



6003.....	41	CT364811-HC.....	20	TS04-0101.....	36
6116.....	41	CT364811-SC.....	20	TS04-0104.....	36
243210-LC3R-SP.....	18	CT364814-HC.....	20	TS07-0049.....	36
303610-CT3R.....	19	CT364814-SC.....	20	TS07-0105.....	36
303610-LC3R-SP.....	18	CT424211-SC.....	20	TS07-0106.....	36
323610-LC3R-SP.....	18	CT484811-HC.....	20	TS10-0016.....	36
363010-CT3R.....	19	CT484811-SC.....	20	TS10-0109.....	36
363016-CT3R.....	19	CT484814-HC.....	20	TS10-0110.....	36
363610-CT3R.....	19	K4722.....	21	TS10-0111.....	36
363612-CT3R.....	19	K4729.....	21	TS10-0112.....	36
363612-LC3R-SP.....	18	K4793.....	21	U2161-XT.....	29
363616-CT3R.....	19	K4794.....	21	U2228-XT.....	29
423616-CT3R.....	18	K4795.....	21	U2229-XT.....	29
443010-CT3R.....	19	K4796.....	21	U3320-R.....	24
483612-CT3R.....	19	K4797.....	21	U3322-R.....	24
483616-CT3R.....	19	K4797.....	21	U3340-O.....	24
484812-CT3R.....	19	K4798.....	21	U3342-O.....	24
606013-CT3R.....	19	K4798.....	21	U3555-R.....	24
A6014-O-400-NKO.....	28	K4903.....	21	U3565-O.....	24
A6015-O-400-NKO.....	28	K4904.....	21	U4163-XT-11-LI.....	30
A7514.....	40	K5747.....	21	U4166-XT-Z21-LI.....	30
A7515.....	40	K5752.....	21	U4468-XT.....	23
A7516.....	40	K5930.....	21	U4468-XT-K4469.....	23
A7517.....	40	K5931.....	21	U4490-XL.....	11
A7518.....	40	K5932.....	21	U4492-XL.....	11
A7551.....	40	K5933.....	21	U4493-XL.....	11
A8110.....	40	MR-2.....	41	U4494-XL.....	12
A8111.....	40	MR2-SS.....	41	U4496-XL.....	12
A8112.....	40	MR-4.....	41	U4497-XL.....	12
A9064.....	40	PT48AL.....	18	U4523-X-Z11-LI.....	30
CP-21.....	41	PT48AR.....	18	U4554-X-Z21-LI.....	30
CT203611-HC.....	20	PT48L.....	18	U4811-O-21.....	13
CT242411-SC.....	20	PT48R.....	18	U5944-XT.....	29
CT243011-HC.....	20	S1855-O.....	22	U5990-O.....	23
CT243011-SC.....	20	S1856-O.....	22	UC1290-XL.....	5
CT24329-SC.....	20	S1891-XT.....	27	UC1291-RL.....	5
CT243611-HC.....	20	S1891-XT.....	27	UC1299-XL.....	5
CT243611-SC.....	20	S1891-XT.....	27	UC1300-RL.....	5
CT244811-HC.....	20	S2674-XT.....	27	UC3423-XL.....	8
CT244811-SC.....	20	S2690-XT.....	27	UC3425-XL.....	8
CT303011-SC.....	20	S2777-4X.....	28	UC3426-XL.....	8
CT303611-HC.....	20	S2811-4X.....	28	UC3428-XL.....	8
CT303611-SC.....	20	S3831-XT.....	27	UC3433-XL.....	8
CT303614-SC.....	20	S4084-O.....	31	UC3434-XL.....	8
CT304811-HC.....	20	S8324.....	40	UC3435-XL.....	8
CT363611-HC.....	20	S9573-X.....	27	UC3436-XL.....	8
CT363611-SC.....	20	SC6010-O-BL-21.....	10	UC3438-XL.....	8
CT364211-SC.....	20	SC6011-O-BL-21.....	10	UC3443-XL.....	10



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

UC3444-XL	10	UC7445-RL	6	UC7532-RL	7
UC3448-XL	10	UC7446-RL	7	UC7544-RL	5
UC3453-XL	10	UC7448-RL	7	UC7545-RL	5
UC3458-XL	10	UC7449-RL	7	UC7582-XL	5
UC7233-XL	5	UC7449-XL-871	9	UC7636-RL	7
UC7235-XL	5	UC7450-RL	7	UCSS3423-O	14
UC7237-XL	5	UC7460-RL	7	UCSS3433-O	14
UC7442-RL	6	UC7461-RL	7		
UC7444-RL	6	UC7478-RL	6		

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



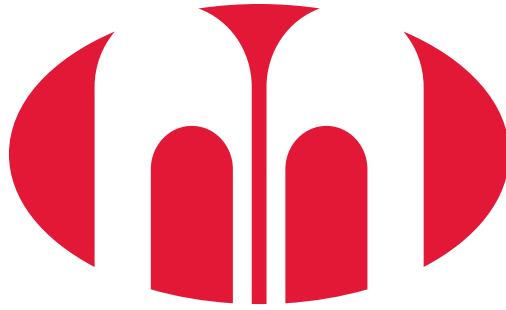


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

Notes

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.





MILBANK[®]

ENERGY AT WORK

