

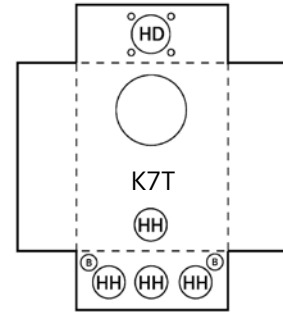
## TYPE K7T/K7SW 400/480A BOLT-IN METER MOUNTING EQUIPMENT

### Common Features

- 400A and 480A continuous duty models available
- Heavy duty construction using 1/2" plated bolts
- Rake-type and rotary bypass available
- Factory installed lugs or 1/2" stud connection
- Steel or aluminum construction
- Polycarbonate safety shield available
- All units are UL listed
- Plated copper current path



9817-9504



### KNOCKOUTS (inches):

B:	1/2, 3/4
HH:	2-1/2, 3, 3-1/2, 4
HD:	∅4.281 HUB OP

Consult the factory for other available options such as, but not limited to alternate hasp material, aluminum enclosures and special labeling. Note: All K7T and K7SW are U.L. listed for OH and UG use. Installed lugs are intended for dedicated OH or UG applications. Please ensure lug listing complies with application requirements. Remove lugs if necessary to obtain proper configuration for needed application.

Cont. Amp Rating	Service	Terminal Connectors - See Note Below				Dimensions (in.)			Hub Opening	Catalog Number	Encl. Matl.	Bypass	Type
		Phase Line	Load	Neutral Line	Load	W	H	D					
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9404 ①⑤	Steel	Not Incl.	K5T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9405 ①⑤	Steel	Not Incl.	K5T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9406 ①⑤	Steel	Not Incl.	K5T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	26.1	37.7	6.1	(2) HD Prov.	9817-9801 ①②	Steel	Not Incl.	K7SW
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	26.1	37.7	6.1	(2) HD Cl. Pl.	9817-9802 ①②③	Steel	Not Incl.	K7SW
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	26.1	37.7	6.1	(2) HD Cl. Pl.	9817-9803 ①	Steel	69623	K7SW
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	26.1	37.7	6.1	(2) HD Cl. Pl.	9817-9804 ①②	Steel	Not Incl.	K7SW
400	OH/UG	(2) #4-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	20.3	43.1	6.1	HD Opening	9817-8501 ①	Steel	Not Incl.	K7T
400	OH/UG	(2) #4-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	20.3	43.1	6.1	3" Hub Inst.	9817-8503 ①	Steel	Not Incl.	K7T
400	OH/UG	(2)#6-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	(2) #4-350 kcmil	20.3	43.1	6.1	HD Cl. Plate	9817-8507 ①	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Opening	9817-8511 ①	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8512 ①	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8526 ②③	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8528 ①	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8529 ①	Alum.	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8532 ①②	Steel	Not Incl.	K7T
400	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	HD Cl. Plate	9817-8534 ①③	Steel	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9504 ①	Steel	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	((2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9505 ①	Steel	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9506 ①	Steel	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) 3.5" Hubs Inst.	9817-9510 ①	Steel	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) 4" Hubs Inst.	9817-9512 ①	Steel	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9526 ①	Steel	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9527 ①	Alum.	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9562 ①②	Steel	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Prov.	9817-9564 ①②③	Steel	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9565 ①	Ptd.AI	Not Incl.	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9566 ①②	Steel	Not Incl.	K7T
480	OH/UG	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	1/2"-20 Stud	20.3	43.1	6.1	(2) HD Cl. Pl.	9817-9569 ①	Steel	69623	K7T
480	OH/UG	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	(2) #4-500 kcmil	20.3	43.1	6.1	(1)3.5" Hub Inst.	9817-9570 ①④	Steel	Not Incl.	K7T

① Ground lug included.

② Polycarbonate safety shield installed.

③ 7/8" barrel lock K.O. and bracket included.

④ 2 hub openings-(1) 3.5" hub inst. and 1 CL plate inst.

⑤ 5 terminal for 3 phase, 3 wire or 1 phase 3 wire services only.

⑥ Indicates what bypass, if any, is installed. If no bypass use 69623 or 58888.

⑦ Lug extender installed - line side.

⑧ Cover includes hazardous voltage label.

⑨ "Residential Use" ink stamp.

## GENERAL INFORMATION:

Capacity: 400 amperes continuous, 480 amperes continuous/480 amperes maximum - 600 volts a.c.

Application: For use with 3 or 4 wire, single phase and polyphase self-contained, Type K watt/hour meters.

Enclosures: Constructed of 14 gauge galvanized steel suitable for indoor or outdoor installations. Aluminum enclosures also available - contact factory. All enclosures are NEMA type 3R.

Bypass: Separate manual type (2 required for K-5, 3 required for K-7) or rotating link. Both types have 100% bypass capacity.

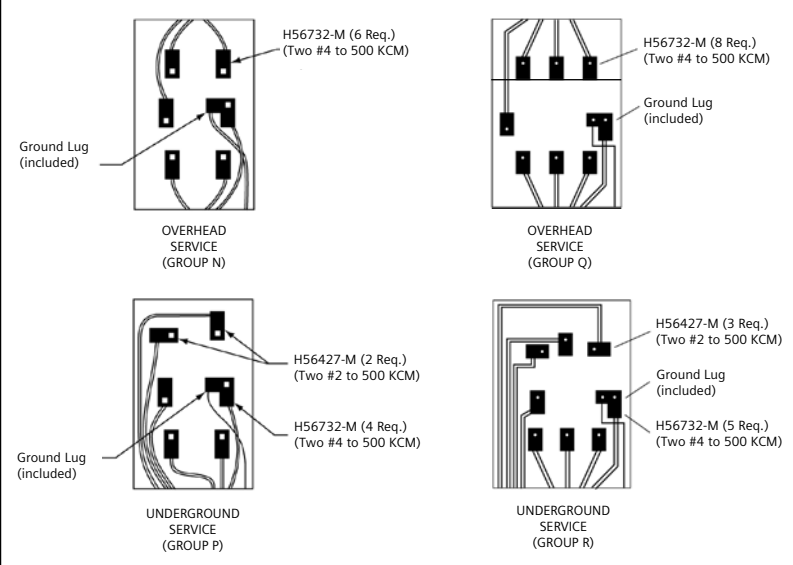
Blocks: Glass fiber reinforced polyester plastic. High strength, arc and track resistant.

Terminals: 1/2" - 20 plated steel studs with nuts and captive Belleville washers to accommodate various pressure type lugs for conductors from #6 to 800 MCM Cu or Al. Require 3/4" socket wrench.

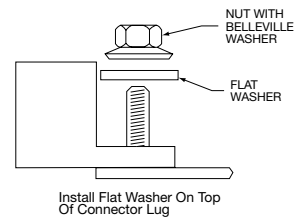
Meter Mounting: Stud type 5/16 - 24. 1/2" wrench required. Studs are positioned so the meter cannot be installed upside down.

UL: Type K-7 and K-7T are UL listed except as restricted by NEC wire-bending requirements. Both types may be wired for under ground feed using parallel conductors on the line side. Type K-7T may also be wired using overhead feed with parallel conductors on the line side. All devices require parallel wiring on the load side for UL listing. Type K-7 devices are U.L. listed for up to 600 amperes capacity when wired to NEC capacity.

## CONNECTIONS:



## TORQUE DATA:



### K-Base Torque Specifications

Connection	Part No.	Stud Size	Wrench Size	Torque
Lug Mounting Nut/Washer	H56271	1/2" - 20	3/4" Hex	500 in.-lbs.
Meter Mounting Nut/Washer	H56271-2	5/16" - 24	1/2" Hex	150 in.-lbs.
Lug Wire Binding Screws	-	-	5/16" Allen 3/8" Allen 1/2" Allen	275 in.-lbs. 375 in.-lbs. 500 in.-lbs.

## K-BASE BYPASSES:

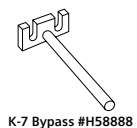
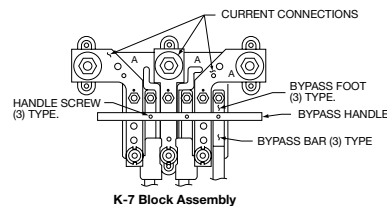
### Instructions for installing and operating K-7 rotating link bypass #69623

#### To install bypass:

- Remove the 3 nuts "A" from the studs extending from the 3 bypass bars.
- Assure that bypass feet are vertically positioned in relation to the bypass handle as shown and the 3 handle screws are tight enough so that bypass feet do not turn.
- Install bypass assembly with the handle screws toward the top edge of the bypass handle as shown. Slide the 3 bypass feet over the exposed studs, through the holes in the bypass feet.
- Loosen the 3 handle screws approximately 1/8 turn using a small standard-tip screwdriver.
- Re-install nuts "A" and tighten securely so that bypass feet are in the vertical, non-bypassed position.

#### To operate bypass:

- Loosen the 3 nuts "A" located on the 3 bypass bars, 1 full turn.
- Loosen the 3 nuts "B" located on the line side current connectors, 4 full turns.
- Slide the bypass handle from right to left, until the curved slots in the bypass feet rest against the studs on the current connectors.
- Securely tighten all 6 nuts "A" and "B", while ensuring the bypass feet remain resting against the connector studs.



K-7 Bypass #58888, 3 required. For use when removing meter from K-7 mounting device.

- Loosen nuts "A" and "B" 4 full turns.
- Place bypass under nuts, shorting across from current connectors to bypass bars.
- Tighten all nuts securely.