

METER-RITE®

Grade-Level Double-Throw Switch
Catalog No. 7800-6, 7808-6
Three Phase, 600 Vac
NEMA 3R Rainproof Enclosure

SCHEMATIC FOR CAT. NOS.

7800-6, 7808-6

RONK ELECTRICAL INDUSTRIES, INC.
NOKOMIS, ILLINOIS

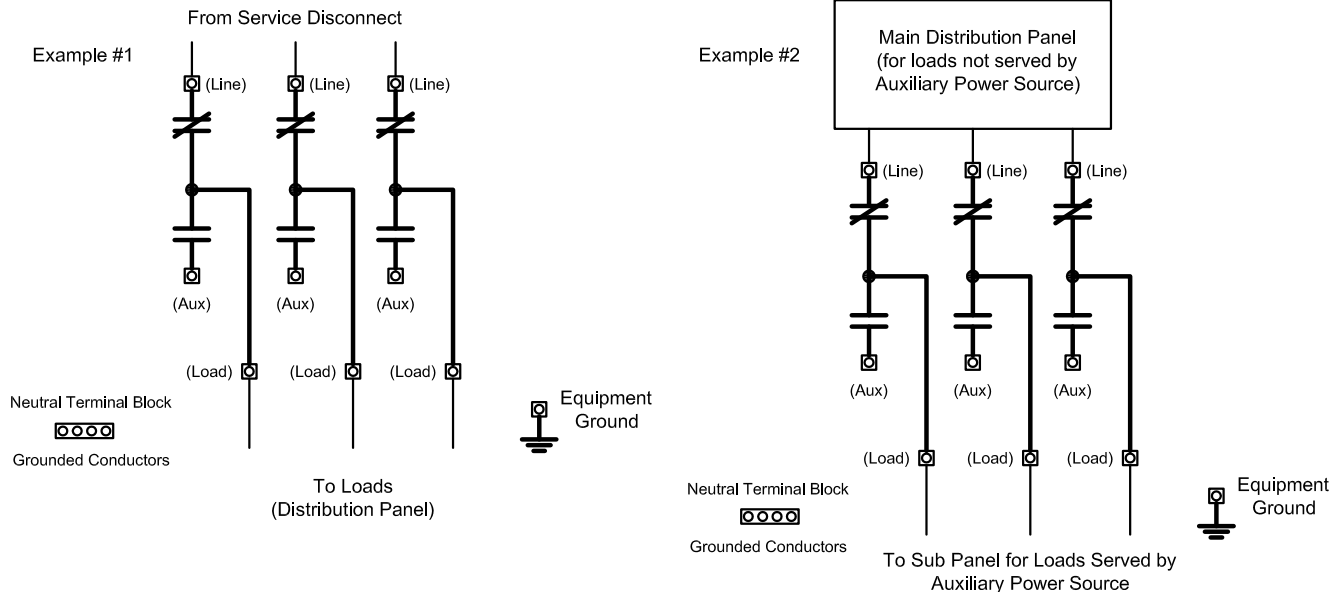
Drawing Number

2-4900

This Double-Throw Switch can be installed in several different locations, depending upon the load it is to supply. If the Auxiliary Power Source is to supply power to the complete system, then the switch should be installed between the service disconnect and the distribution panel. (See Example #1).

NOTE: Some authorities having jurisdiction and/or power suppliers will allow the Double-Throw Switch to be placed ahead of the Service Disconnect under certain conditions. **CAUTION:** In these cases always be certain that available fault current will not exceed 10,000 amperes (RMS symmetrical).

In applications where the Auxiliary Power Source cannot supply enough power to operate all the loads, a sub-panel may be added to the system. The loads that need to be operated from the Auxiliary Power Source are then connected to this sub-panel. For this type of installation, the Double-Throw Switch can be installed between the main distribution panel and the sub-panel. (See Example #2)



USE COPPER OR ALUMINUM WIRE RATED 75°C. OXIDE INHIBITING COMPOUND IS RECOMMENDED FOR ALUMINUM WIRE.

LOCATE OPENINGS FOR CONDUIT BELOW OPERATING HANDLE UNLESS LIQUID TIGHT HARDWARE IS UTILIZED.

WARNING: ALL ADJUSTMENTS ON SWITCH HAVE BEEN MADE AT FACTORY AND MUST NOT BE CHANGED IN FIELD.

SWITCH CATALOG NUMBER	PHASE	AMPS	CUSTOMER CONNECTIONS			
			LINE LUGS	AUX LUGS	LOAD LUGS	NEUTRAL
7800-6	3Ø	200	250 MCM- #6 CU-AL (1-HOLE LUG)	250 MCM- #6 CU-AL (1-HOLE LUG)	250 MCM- #6 CU-AL (1-HOLE LUG)	350 MCM- #6 CU-AL (4-HOLE BAR)
7808-6	3Ø	400	(2) 250 MCM-1/0 or (1) 600 MCM- #4 CU-AL (1-HOLE LUG) †	(2) 250 MCM-1/0 or (1) 600 MCM- #4 CU-AL (1-HOLE LUG) †	(2) 250 MCM-1/0 or (1) 600 MCM- #4 CU-AL (1-HOLE LUG) ‡	350 MCM- #6 CU-AL (6-HOLE BAR) ‡

TIGHTENING TORQUE	
SOCKET SIZE (INCH)	TORQUE (IN-LB)
1/8	45
5/32	100
3/16	120
7/32	150
1/4	200
5/16	250
3/8	375
1/2	500
9/16	600

† Wire bending space in the enclosure based on (2) 250 MCM, not (1) 600 MCM.

‡ Optional Load and Neutral lug for 600 MCM wire available. Specify at time of purchase.

Revision Description
CORRECTED 7808-6 LOAD LUG WIRE SIZE RATING

Rev

CN

Date 11/21/16

BY NCL