

Grade-Level Double-Throw / Meter Socket Combo Unit, Unfused
Catalog Number: P-7406MS
1Ø 240 Vac 400 amp
Pedestal Mount, NEMA 3R Rainproof Enclosure

RONK ELECTRICAL INDUSTRIES, INC.
NOKOMIS, ILLINOIS

2-6205

| Approved | NCL |
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The diagram illustrates the electrical connections for a 100-watt-hour meter. On the left, a 'Service Neutral' bus is shown with a 'Grounding Electrode' and 'Equipment Ground' connection. A dashed line labeled 'N' indicates the neutral line. Below this, an '(Aux) - Generator or Auxiliary Power Supply' is connected. The main meter assembly consists of a transformer with terminals 'X1' and 'H1'. Two 'Line' connections enter from the top. The transformer is connected to a '5 Terminal Shorting-Type Meter Socket'. The socket has terminals for 'RED', 'BLUE', 'YELLOW', and 'GREEN' wires. The 'GREEN' wire is grounded. Below the meter socket, a 'Form 3S, Transformer Rated 10 Watt-Hour Meter' is shown with its internal wiring diagram. A 'Note' specifies: 'Current Transformer Ratio = 400 : 5' and 'Register Multiplier = 200 x 5'. The bottom of the diagram shows two '(Load)' connections and two '(Aux)' connections.

| 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 |

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

| SWITCH CATALOG NUMBER | SERVICE CONNECTIONS | | CUSTOMER CONNECTIONS | | | |
|-----------------------|--|--|--|------------------------------|--|------------------------------|
| | LINE LUGS | NEUTRAL | AUX LUGS | LOAD LUGS | AUXILIARY NEUTRAL | LOAD NEUTRAL |
| P-7406MS | (2) 250 MCM - 1/0 OR (1) 600 MCM - #4 (1-HOLE LUG) | (2) 250 MCM - 1/0 OR (1) 600 MCM - #4 (1-HOLE LUG) | (2) 250 MCM - 1/0 OR (1) 600 MCM - #4 (1-HOLE LUG) | 250 MCM - #6 (4-HOLE LUG) | (2) 250 MCM - 1/0 OR (1) 600 MCM - #4 (1-HOLE LUG) | 350 MCM - #6 (5-HOLE BAR) |

Revision Description

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| Rev | CN |
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Date

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