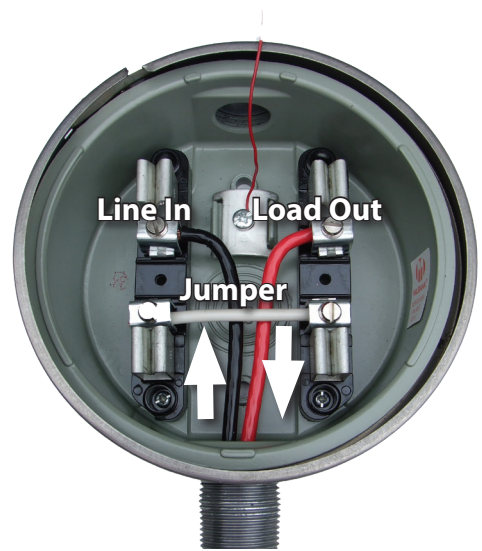# Directions for wiring 120 volt meter kit
DEM Meter (Digital Electromechanical Meter)
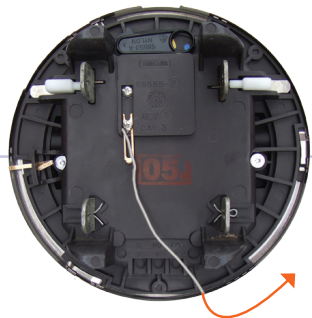
[*Connected as shown, meter will correctly register 120 volt receptacle loads only.*]

1. **DISCONNECT POWER BEFORE WORKING INSIDE POWER OUTLET.**

2. Connect (1) incoming "HOT" wire to the top left lug.

3. Connect (1) load wire from the top right lug and back to the internal load center.

4. Connect (1) jumper between the (2) bottom lugs.

5. #10 AWG copper or #8 aluminum wire suggested.

6. Remove or slide clip open on BACK of meter. **THIS IS IMPORTANT! Use ONLY DEM type meter!** See photo below.

7. Connect (1) 18-20 AWG flexible wire with fork terminal to the "CENTER MOST" screw on back of meter as shown. Connect other end to the neutral point in power outlet.

8. **WARNING! Connecting this wire to the other screw will trip site breaker, may cause a flash and damage meter.**

9. Carefully install meter without pinching flexible wire inside the meter socket.

Line In   Load Out

Jumper

Model # DEMLEX

ONE HOT WIRE CONNECTION
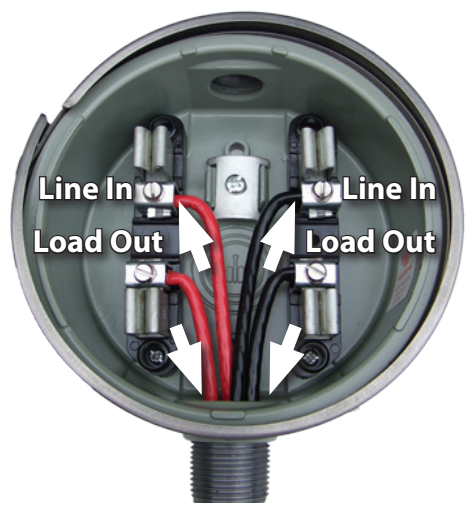

Rear View of DEM Meter

Connect the other end of flexible wire to meter ground if the line neutral is connected to meter ground. If not, connect wire to some other neutral point, such as neutral bar or neutral on a receptacle inside of power outlet box. If installing a USG meter kit, there WILL NOT be a neutral connection to the meter socket ground screw.

Directions for wiring 240 volt meter kit
SSEM or DEM Meter (Solid State Electric Meter)

[*Connected as shown, meter will correctly register both 240 & 120 volt receptacle loads.*]

1. **DISCONNECT POWER BEFORE WORKING INSIDE POWER OUTLET.**

2. Connect (2) incoming "hot" wires to the top lugs

3. Connect (2) load wires to the bottom lugs and back to the internal load center.

4. #8 AWG copper wire or #6 aluminum suggested.

5. Carefully install meter.

Line In   Line In

Load Out   Load Out

Model # SSEM

TWO HOT WIRE CONNECTION

WARNING: Verify the input voltage rating and configuration is suitable for the intended electrical service. Complete installation to be sized and installed in accordance with the National Electric Code (NEC) . We recommend the assistance of a licensed electrician.

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Catalog Number:
SSEM

Product Type:
Metering for 240 Volt Connections Only

Applications:

The SSEM is a solid state electric meter used for sub-metering 240 volt, single-phase energy consumption. **Cannot be converted for 120 volt applications**.
Not for use on utility metered services.

Description:

Meter plugs into a standard 4-terminal meter socket. Solid-state construction ensures accuracy and durability. There are no moving parts as with older electro-mechanical meters.

Specifications:

- 240 Volt, 3 Wire, Form 2-S
- 5-Digit, LCD display. Registers in whole kilo-watt-hours (kWh). No tenths digit.
- Upon initial installation, under load, the display shows 00000 and then upon consumption, the usage accumulates numerically. Intermittent Flashing "8's" is normal operation. There is no re-set mechanism.

- Polycarbonate Cover
- Remanufactured & tested for ANSI C12 compliance
- Accuracy +/- .5%
- 4 Units per master carton, 10 lbs per carton

Catalog Number:
DEM & DEMLEX

Product Type:
Metering

Applications:

The DEM is an analog electric meter used for sub-metering 120 or 240 volt, single-phase energy consumption. See wiring diagram for proper way to wire for 240 volt (two hot wires) or 120 volt (one hot wire) applications. DEM submetering allows you to allocate utility cost to each site. Not for use on utility metered services.

Description:

Electro-mechanical operation with spinning disk and roll over, easy read numeric display.

Specifications:

- 240/120 Volt, 3 Wire, Form 2-S
- 5-Digit, easy-read cyclometer display display. Registers in whole kilo-watt-hours (kWh). No tenths wheel.
- Glass Cover or Lexan Cover

- Remanufactured & tested for ANSI C12 compliance
- Accuracy +/- .5%
- 4 Units per master carton, 20 lbs per carton

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