

Multi-Position (Ganged) Single Phase Meter Specifications

I. GENERAL REQUIREMENTS

A. Location

1. Metering equipment shall be located outdoors at ground floor level **readily accessible** to Walton EMC employees.
2. Multi position meter centers shall be located so the center of the upper most meter shall not exceed 5 feet 6 inches above final grade level, and the center of the lowest meter shall be not less than 3 feet 6 inches above final grade level.
3. Safety dictates metering equipment shall be located so **Walton EMC** personnel are provided level, unobstructed working space. This working space shall extend a minimum distance of 3 feet in front and 18 inches to either side of the equipment, and a height of 7 feet from final grade level.
4. Riser diagrams shall be provided to Walton EMC Engineering before construction begins.

B. Equipment

1. Customer purchased equipment shall be certified by a US Department of Labor Nationally Recognized Testing Laboratory (NRTL). The label, symbol or other identifying mark used by the testing laboratory shall be affixed to the unit.
2. Minimum required clearances are shown on page 4.
3. All meter sockets shall be ringless type.
4. Each meter position's cover shall be removable without having to remove any other cover(s).
5. Each meter position shall have a lockable load side disconnect for Walton EMC use.
6. Meter socket and conduit shall be surface mounted.
7. Metering center and conduit straps shall be securely fastened to the building using appropriate hardware for the construction type.

C. Labeling

1. Meter socket address shall be permanently marked, internally with enamel paint and externally with minimum 1-inch high engraved letters and/or numbers in a contrasting color (see the following page for an example) on plastic or metal labels. **Ink Markers, such as Sharpies, are NOT acceptable.**
2. Meter Sockets, Entrance Doors, and Breaker Panels shall be permanently marked with address.

*Examples of External Engraved
Address Labeling*



II. UNDERGROUND SERVICE: 2-6 Position Gang Socket (3-Wire / 120V-240V)

- A. The device shown may be used when the inspection authority having jurisdiction requires the installation of a service disconnecting means adjacent to the meter.

- B. The **Customer** shall install a grounded **Fifth Terminal Meter Jaw** in this equipment if the supply source is 120/208V WYE service.
- C. Line side studs shall be equipped with nut, flat washer, and pressure maintaining (as a “Belleville”) spring washer.
- D. Where **Customer** furnished connectors are used, they shall meet the requirements of U.L. “486B”. Torqueing requirements clearly marked in the line side compartment for Walton EMC service conductors. Walton EMC will not terminate service conductors to customer owned breaker or fused disconnect.
- E. Customer furnished and installed minimum conduit requirement:
 - a) Two Positions: (1) 2½ inch conduit with minimum 12” radius sweep.
 - b) Three to Six Positions: (1) 4 inch conduit with minimum 16” radius sweep.

III. UNDERGROUND SERVICE: Above 6 Position Gang Socket (3-Wire / 120V-240V)

- A. The device shown may be used when the inspection authority having jurisdiction requires the installation of a service disconnecting means adjacent to the meter.
- B. The **Customer** shall install a grounded **Fifth Terminal Meter Jaw** in this equipment if the supply source is 120/208V WYE service.
- C. Where **Customer** furnished connectors are used, they shall meet the requirements of U.L., “486 B”. Torqueing requirements shall be clearly marked in the line side compartment. Walton EMC will not terminate service conductors to customer owned breaker or fused disconnect.
- D. Customer Furnished and installed Minimum Conduit Requirements for Walton EMC service conductors to be determined by Walton EMC representative.

IV. OVERHEAD SERVICE: 2-6 Position Gang Socket (3-Wire / 120V-240V)

- A. Requirements for the metering center are the same as underground except the line side connection arrangement is not specified [as is for underground services].
- B. All service entrance conductors and connectors shall be furnished and installed by Customer.

Multi-Position Socket Installations (3-Wire)

