Underground Metering and Power Solution

Powering Business Worldwide

Feature Function & Test Data

The Market

Eaton's new Commercial Pedestals (ECP's) are the perfect solution for underground power distribution requirements where a building or sub-structure is not feasible or desirable. This economical, time saving solution eliminates the need for multiple component sourcing, time consuming strut construction, and labor intensive field wiring. The product also provides a secure method to protect the utility compartments and customer section from vandalism and abuse.

The wide variety of applications can benefit contractors, DOT's, municipalities, engineers, and electrical wholesale distribution by providing a metered or unmetered solution. The ECP pedestal can be ordered as a standard unit for field added components or ordered from the factory constructed to single-line specifications. Eaton's engineering expertise and complete line of distribution & control components make the ECP your best choice when selecting your source.

Typical Application

- Lighting: street, parking lots, athletic fields, and landscaping
- Traffic control, cross walks, message board signs
- Irrigation control, sprinklers, pump stations
- Cellular towers
- Cable TV power supply
- Temporary Power: construction job site, convention centers, street fairs, fairgrounds
- Generator & battery back-up services

Standard Features

- UL 891 Listed
- Conforms to EUSERC Drawing 308
- 125 & 200 ampere ratings
- Type 3R, galvanized, light green enclosure
- 42 kAIC short-circuit withstand @ 240 volts
- Single-phase & three-phase
- 200 ampere continuous meter socket. 4, 5, or, 7 terminal
- Ring-type with test-block bypass or Ringless type with Eaton MSL lever bypass
- Isolated galvanized back panel for mounting components
- Isolated utility and customer sections
- Lock and seal provisions on utility sections
- Up to 350 MCM utility line termination
- Copper interiors for type CH circuit breakers
- Interiors have #1 – 300 MCM sub-feed lugs
- Stainless steel exterior hardware and latches

Electrical Characteristics and Testing Information

- 240 volt AC maximum
- 42 kAIC short-circuit withstand @ 240 volt
- 200 ampere continuous rated meter socket (UL 414)
- UL Listed
- UL 50E Type 3R rain test
- Pending seismic testing for IBC Section #1613

Test Block Style

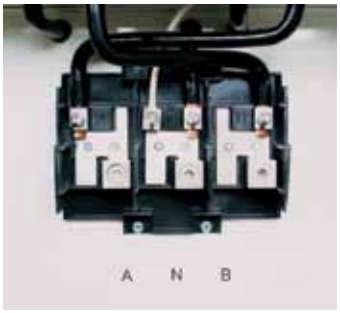
Test Block Style with Meter and Cover

Lever Bypass Style

Lever Bypass Style with Meter and Cover

Meter Viewing Window

Utility Access Door



350 kcmil Landing Lugs

Utility Section Construction

- All models use a 200 ampere rated meter socket. Either figure 1 - test block bypass or figure 3 - MSL lever bypass.
- The **meter section** is protected by a welded cover with a polycarbonate meter viewing window that completely encloses the utility meter. It has a stainless steel lock and sealing provisions (see Figure 5). A neutral test point insulator is provided (see Figures 1 & 3).
- The **bypass section** (either lever or test block) has a removable panel for utility access when meters require maintenance. Both have lock and seal provision (See Figures 2 & 4).
- The **rear termination section** has a lug landing that accepts up to 350kcmil conductor per phase. A lift off panel has stainless steel lock and sealing screw provision. Line bottom opening is 65 square inches (see Figures 6 & 7).

Customer Section Construction

- The customer section houses the main disconnect, load center, and other components
- The section has a hinged dead front and lockable door. Door has stay open prop and has publication label with wiring diagram.
- Back sub-panel isolates component mounting from utility line connections.
- CH loadcenter interior is copper and has standard sub-feeds lugs.
- Provisions are provided for added circuit breakers, photoelectric cell window, and toggle or HOA switch.
- Bottom opening for load exits and conduit is 110 square inches.
- Bonded ground and neutral lug bars are located on lower front channel for easy access.

Customer Options

- 16" or 24" wide enclosures
- Available in galvanized steel, stainless steel, and aluminum
- Standard colors and finishes available. See selection chart on sales brochure.
- Single or dual meter socket
- Main circuit breaker, main lug only, or T-fuse main
- Receptacles: straight blade, twist lock, pin, and sleeve
- Photoelectric control
- Time clocks: mechanical and electrical
- HOA switches, test switch, push button controls
- Contactors: definite purpose, lighting, electrically held
- Surge and lightning arrestors

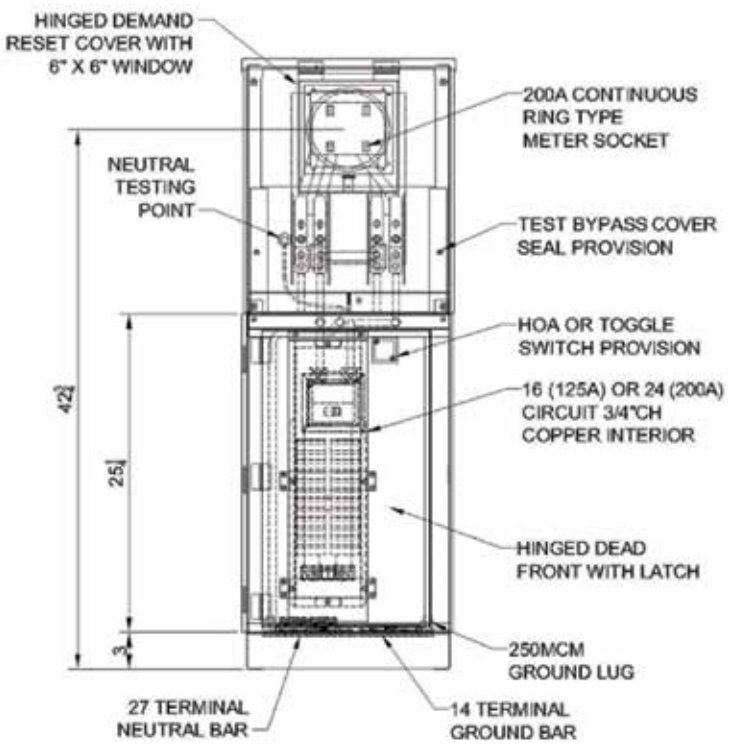
Accessory Kits

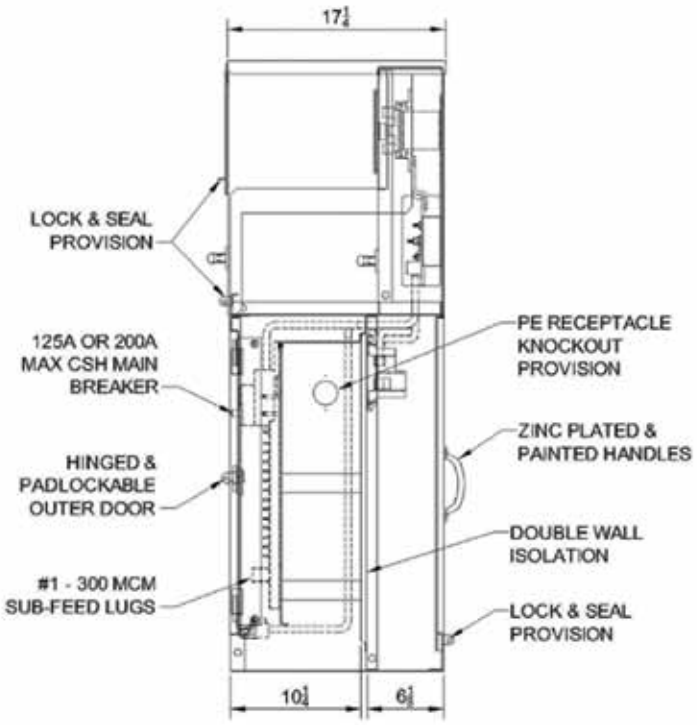
- Mounting base kit. For embedding in concrete **(16" #ECP16BASE)**
- Anchor bolt kit. (4) 5/8"-11 x 18" with hardware. **(#ECPABK)**
- Photoelectric kit. pre-wired toggle switch, PE receptacle, and terminal block. **(#ECPTSPE)**
- Photoelectric kit. pre-wired HOA switch, PE receptacle, and terminal block. **(#ECPHOAPE)**
- Fifth Jaw kit for lever bypass socket. **(#MSL-5TK)**
- Fifth jaw kit for ring-type with test block. **(#ECP5TKTB)**
- Mechanical time clock kit. **(#ECPTC)**
- Electrical time clock kit. **(#ECPTCE)**

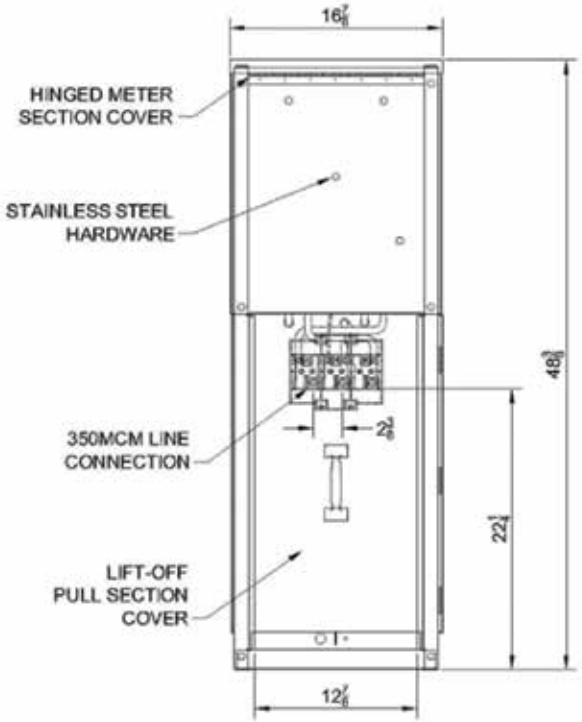
Typical Customer Section

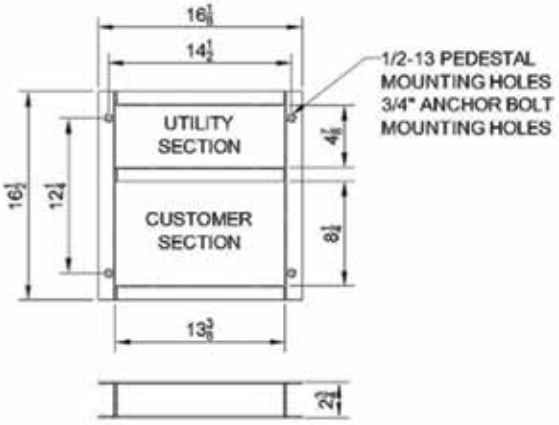
Made in the U.S.A.

ECP Series 16”









MOUNTING BASE

UL LISTED
CONFORMS TO EUSERC DWG 308
TYPE 3R ENCLOSURE
35kAIC SHORT CIRCUIT RATING
SINGLE PHASE 120/240V

Powering Business Worldwide

Printed in USA
Form No. BR00500001E
November 2009

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