EZ Meter-Pak® Metering Equipment

Approved for use in Consolidated Edison service areas of New York City and Westchester

The Square D® EZ Meter-Pak® metering equipment in this publication has been approved for use in Consolidated Edison Co. of New York, Inc. service areas, and has been approved by the New York City Electrical Review Board for use in New York City.

Maximum flexibility from a select group of devices

The Square D® EZM devices are suitable for use in six-subdivision rule applications, and for use downstream from a remotely mounted service disconnect. Branch unit devices include three primary styles featuring three, four and five-gang meter sockets. A streamlined offer with fewer catalog numbers makes catalog selection easier, as well as providing tremendous flexibility to configure meter center service for up to 40 apartments in a single bank of meters.

Each branch unit cabinet is supplied with 3-phase horizontal cross bus designed for use with the 800 A terminal box. The shallow 800 A terminal box enclosure is the same depth as a branch unit, which was used to provide proper spacing around the installed meters.

Branch units are specified 125 A maximum, 1-phase, 120/208 VAC. Meter socket and tenant main circuit breaker units are designed and tested for use with 800 A, 3-phase, 208Y/120 VAC main lugs terminal boxes.

EZ Meter-Pak® Metering Equipment

Consolidated Edison of New York – Approved
Description

EZM3800TBCU

EZM315125M10

Incoming service to main device:
- 208Y/120 VAC, 3-phase, 4-wire

Available Outgoing Feeders to downstream panelboards:
- 120/208 VAC, 1-phase, 3-wire Derived from a 208Y/120 VAC 3-phase, 4-wire network

UL® Listed rainproof NEMA Type 3R construction:
- Bussed corner section (indoor NEMA Type 1 only)
- UL Listed under File E-10582 and File E-131840
- Suitable for use in outdoor applications in Westchester County

800 A maximum main lugs terminal box:
- Same depth as branch units
- Overhead or underground service feed
- Suitable for use on the line side of service equipment
- Cover sealable by Con Edison
- Can be center mounted or at end of line up

125 A maximum branch units:
- 3-, 4-, and 5-gang configurations
- Ring type meter socket covers spaced on 10-inch centers
- 5-Jaw meter socket supplied with spring reinforced front removable jaws
- Blade guides supplied for line and load side meter socket jaws
- 5-Jaw wire #10 AWG solid copper
- Hinged rain channel at bottom for easier wire pulling
- Suitable for use as service equipment when not more that six main disconnects are provided
- Removable rainhood supplied, remove rainhood to access knockouts in top endwall
- Cover sealable by Con Edison

Finish:
- ANSI gray
- Baked powder-coat epoxy electrodeposited over cleaned phosphatized steel

Enclosures:
- Meet NEC® wire bending space requirements
- Designed to be wall mounted only (not suitable for floor standing)
- All unmetered conductor compartments are sealable by Con Edison

EZ Meter-Pak Meter Centers, to be complete, must include:
- EZM main terminal box
- EZM branch section(s)
- Square D® 2-Pole, type QO®, QO-VH, or QOH tenant circuit breakers
- Order tenant circuit breakers for branch units separately

Meter Center UL Listed Short Circuit Current Ratings for six subdivision rule applications (RMS symmetrical amperes max.):
- 10,000 A with type QO tenant circuit breakers
- 22,000 A with type QO-VH tenant circuit breakers
- 42,000 A with type QOH tenant circuit breakers

Meter Center UL Listed Short Circuit Current Ratings for remote mounted service disconnects (RMS symmetrical amperes max.):
- Class T (300VAC) Fuses 800 A max.
  100,000 A with type QO-VH tenant circuit breakers
- Class R (250 VAC) Fuses 600 A max.
  100,000 A with type QO-VH tenant circuit breakers
- Square D type LA or MA Circuit Breaker
  42,000 A with type QO-VH tenant circuit breakers
- Square D type LH, MH or PA Circuit Breaker
  65,000 A with type QO-VH tenant circuit breakers

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EZM3800TBCU

EZM315125M10

EZM314125M10

EZM313125M10

EZM3EXT

EZM3CORNER

Terminal Box (NEMA Type 3R). **Main Cross Bus Rated 800 A.**

System	Ampere Rating	Catalog Number	Width (Inches)	Phase and Neutral Line Side Terminal Wire Range (AWG - kcmil AL/CU)▲	Service Ground Terminal Wire Range (AWG - kcmil AL/CU)
3-phase, 4-wire, 208Y/120 Vac	800 A	EZM3800TBCU	24.09	(4) #3/0 - 500	(1) #6 - 300

▲ Alternate lug kit available to accommodate (2) #1/0 AWG - 600 kcmil or (4) #1/0 AWG - 250 kcmil conductors per phase and neutral, order three (3) of catalog number MMLK250 kits. Each kit includes three 2-barrel lugs, three kits are required to obtain 8 lugs.

Bus Extension (NEMA Type 3R) **and Corner Section** (NEMA Type 1 only). **Main Cross Bus Rated 1200 A.**

System	Ampere Rating	Catalog Number	Width (Inches)	Description
3-phase, 4-wire, 208Y/120 Vac	1200 A	EZM3EXT	11.66	Bus extension may be used for separation between a branch unit and a main device, or between two branch units. Bus extension may also be used with a corner section where additional separation is desired.
		EZM3CORNER	14.45 (per leg)	Corner section is **for use indoor only** (NEMA Type 1), and designed for use around an inside corner where wall space may not permit entire meter center mounting on a single wall surface.

125 A Maximum Ring-Type Branch Units (NEMA Type 3R). **Main Cross Bus Rated 800 A.**
3-Phase, 4-Wire IN with 1-Phase, 3-Wire OUT

System / Service	Number Meter Sockets	Catalog Number	Width (Inches)	Description
System IN: 208Y/120 Vac Service OUT: 120/208 Vac	3	EZM313125M10	12.25	Ring-type branch unit for use with Type QO, QO-VH, or QOH 2-Pole tenant circuit breakers (order breakers separately). Supplied with 5-jaw meter socket
	4	EZM314125M10	12.25	
	5	EZM315125M10	12.25	

QO2125

Tenant Circuit Breakers (AIR ratings are based on six-subdivision rule applications. See note below for remote mounted service disconnect.)

Ampere Rating	10,000 AIR Catalog Number	22,000 AIR Catalog Number	42,000 AIR Catalog Number
40	QO240	QO240VH	QOH240
50	QO250	QO250VH	QOH250
60	QO260	QO260VH	QOH260
70	QO270	QO270VH	QOH270
80	QO280	QO280VH	QOH280
90	QO290	QO290VH	QOH290
100	QO2100	QO2100VH	QOH2100
125	QO2125	QO2125VH	QOH2125

NOTE: UL Listed meter center short-circuit current rating (RMS Symmetrical Amperes) with remote mounted service disconnect: 100,000 A with Class T fuses, 800 A max., or with Class R fuses 600 A max.; 65,000 A with Square D type LH, MH, or PA circuit breaker, 42,000 A with Square D type LA, or MA circuit breaker. Requires use of Square D type QO-VH as tenant circuit breakers in branch units.

SQUARE D CERTIFIED RATINGS for downstream type QO®, Homeline® or NQOD panelboards require a minimum of 20 feet of cable between tenant circuit breaker and downstream load center. Downstream load center can use Square D type QO (QO or NQOD only) or HOM (Homeline ONLY), branch breakers rated 10,000 A.

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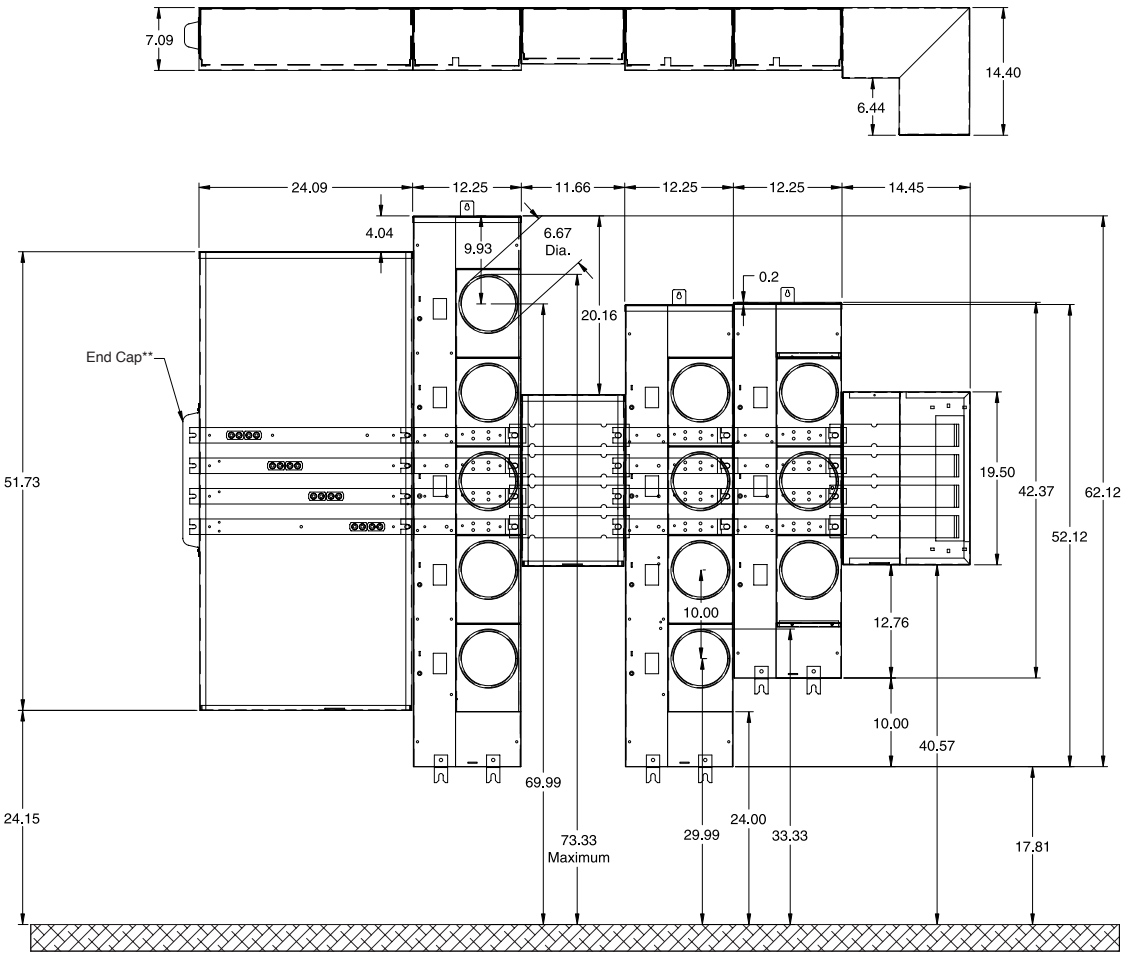
The terminal box can be mounted with the branch units connected to both sides, or the terminal box can be located at either end of the complete metering equipment lineup. Be sure to select the appropriate sizes and quantities of branch units as needed to attain the exact number of the meter socket/ tenant circuit breaker positions required for the job.

The terminal box is built in the same depth enclosure as branch units, thus a bus extension is not needed to provide separation between a branch unit and the terminal box. **Note: a corner section is for use indoors only and is designed for use on an inside corner.** A bus extension can be used with a corner section as needed.

To mount the metering equipment, position the top edge of the mounting channel (supplied with each terminal box and branch unit) at the appropriate height above the floor or grade level. The drawing below positions the top of the mounting channel at 52.09" above the floor, allowing 3-, 4- and 5-gang branch units to meet Consolidated Edison's minimum/ maximum height requirements.

Consult your local Square D sales engineer for drawings of each individual EZM component.

Dimensions*



*All dimensions are in inches.

** Two end caps are supplied with each main device. Remove the end cap from the side of the main device where the branch unit is to be installed. Install the end cap to close the opening in the side of the branch unit at the end of the metering equipment line up. End caps are sealable by Con Edison.

Visit the Square D web site at www.us.squared.com

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