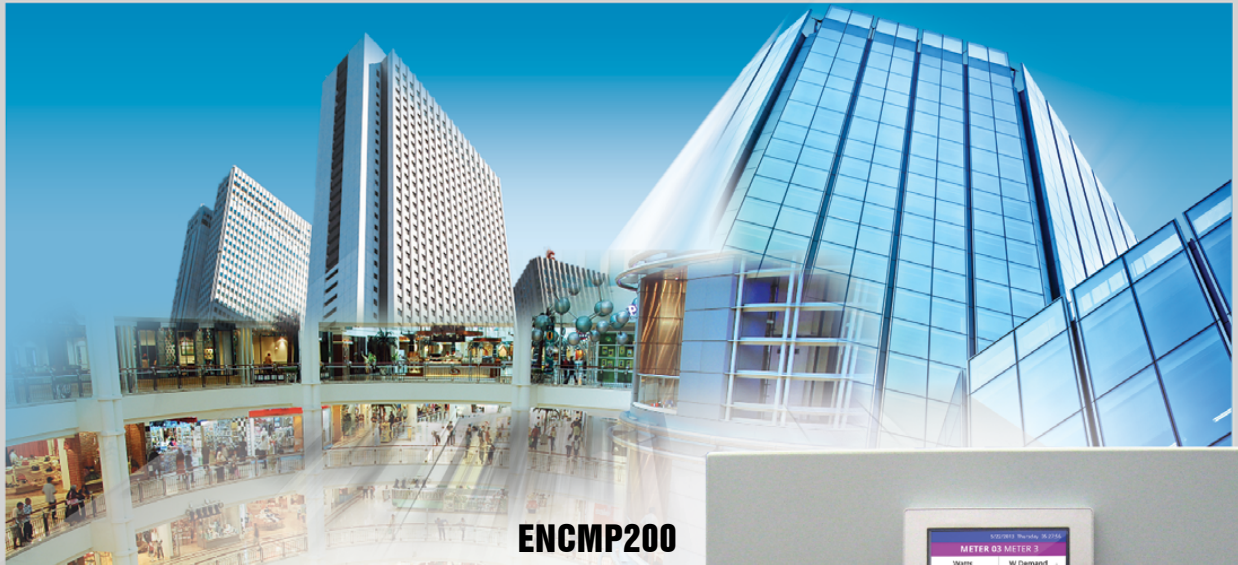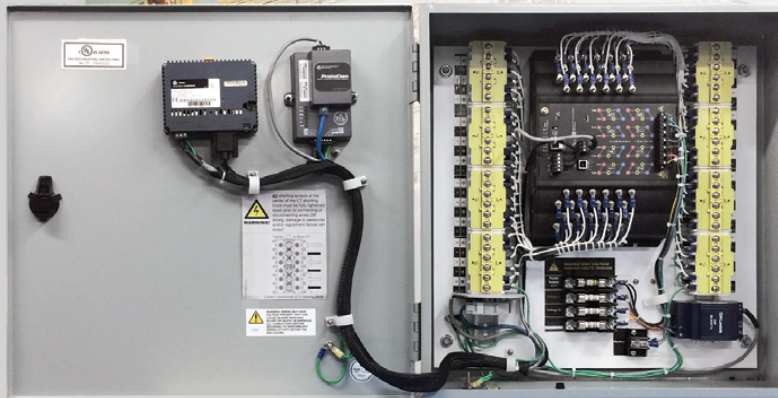# SHARK MP200™ in Enclosure

## For Three Phase and Single Phase MP200™ Metering Systems

ENCMP200

Pre-wired Multipoint Metering Solution
Ready for Installation

- For Retrofit Meter Solutions
- Extends Switchgear Capability
- Optional BACnet®* or LonWorks®* Communication Protocols

- Pre-Wired and Configured
- Nema Type 1 Rated Enclosure
- Eliminates Wiring and Installation Errors

Electro Industries/GaugeTech
The Leader in Power Monitoring and Smart Grid Solutions

cULus LISTED

ISO 9001:2008 REGISTERED FIRM

Description

EIG's MP200™ in enclosure lets you expand your switchgear capability and/or easily meter circuits without expensive and time-consuming redesign. Simply mount the enclosure in any convenient location, next to your switchgear or on a wall, and you are ready to go with no downtime. Using the MP200™ in enclosure allows you to meter up to 24 single phase or 8 three phase loads and send the data with a variety of communication protocols.
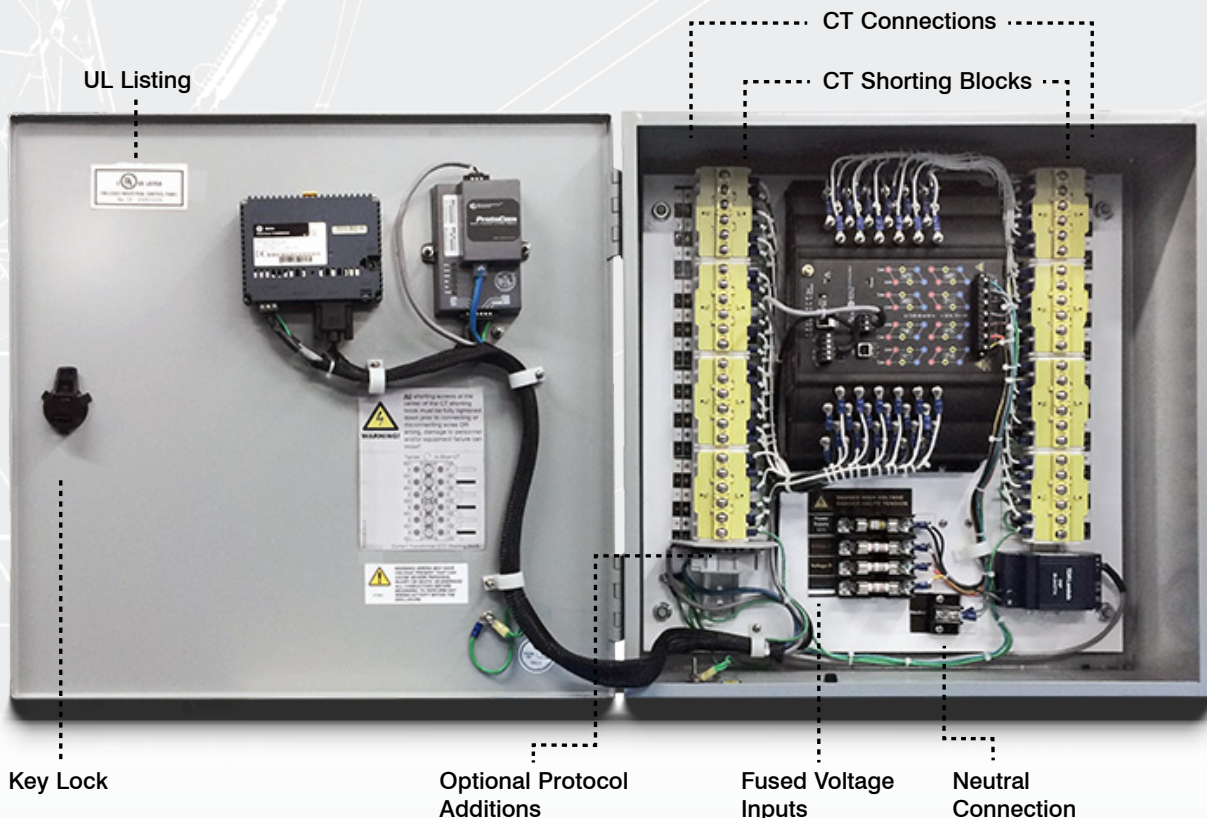
Color Touchscreen Display
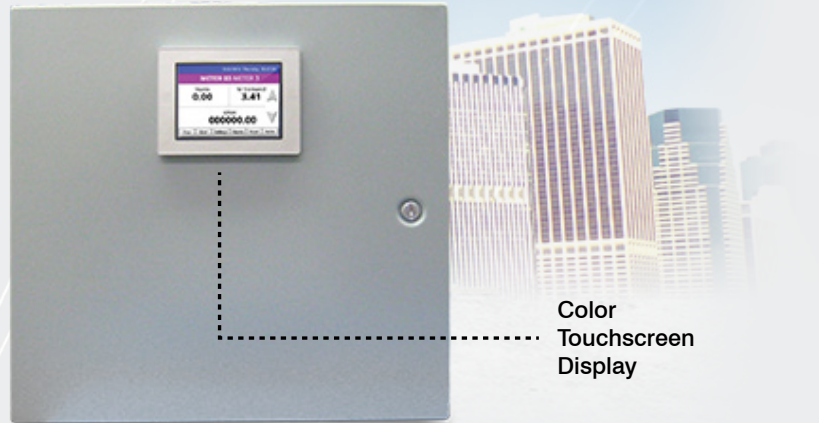
This is a perfect solution for a retrofit where there is no metering compartment available. The meter comes standard with a NEMA 1 rated enclosure and is factory wired with the meter installed. Standard equipment includes voltage fuses and shorting blocks for current transformers. The system will work directly with 120/208 and 277/480 Volt power systems.

The enclosure can be ordered with either the three phase MP200™-Y or the single phase MP200™-S meter. Optional CTs are available for each circuit. The CTs can be ordered as either split core or solid core depending on the needs of the installation. Optional ProtoCom and ProtoCom-Lon modules offer BACnet®* and LonWorks®* communication, enabling the MP200™ in
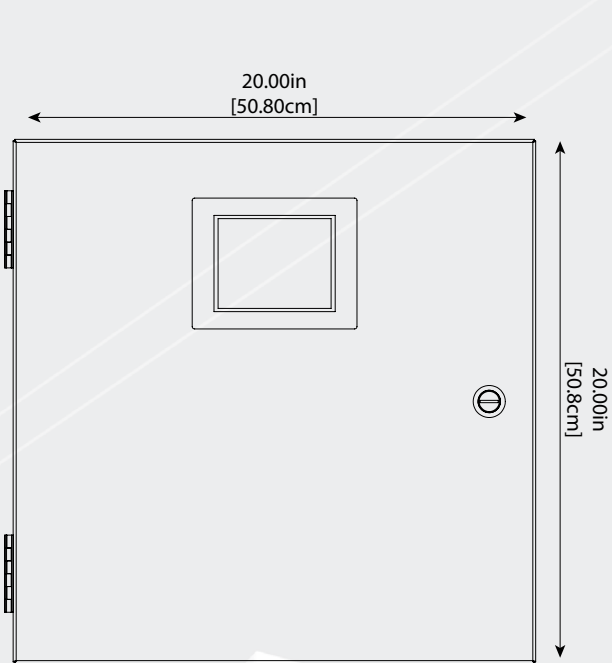
enclosure to fit seamlessly into existing Building Automation System applications.

The unit is equipped with either a 3.5" or 5.7" color touchscreen display to make data reading simple and easy. The display provides extensive circuit data for every load, including circuit analysis.
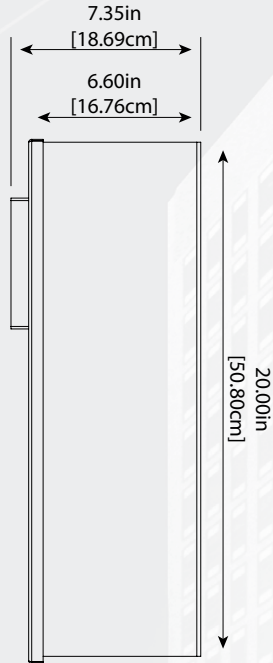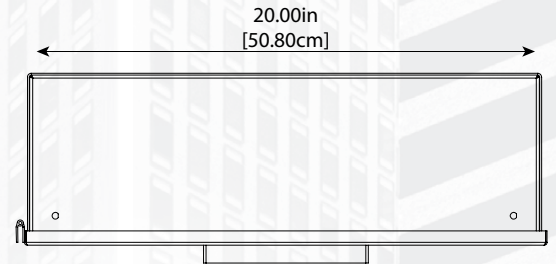
MP200™ in ENCLOSURE LAYOUT

UL Listing

CT Connections

CT Shorting Blocks

Key Lock

Optional Protocol Additions

Fused Voltage Inputs

Neutral Connection

DIMENSIONAL DRAWINGS

20.00in
[50.80cm]

20.00in
[50.8cm]

**MP200™ in Enclosure
Front Dimensions**

7.35in
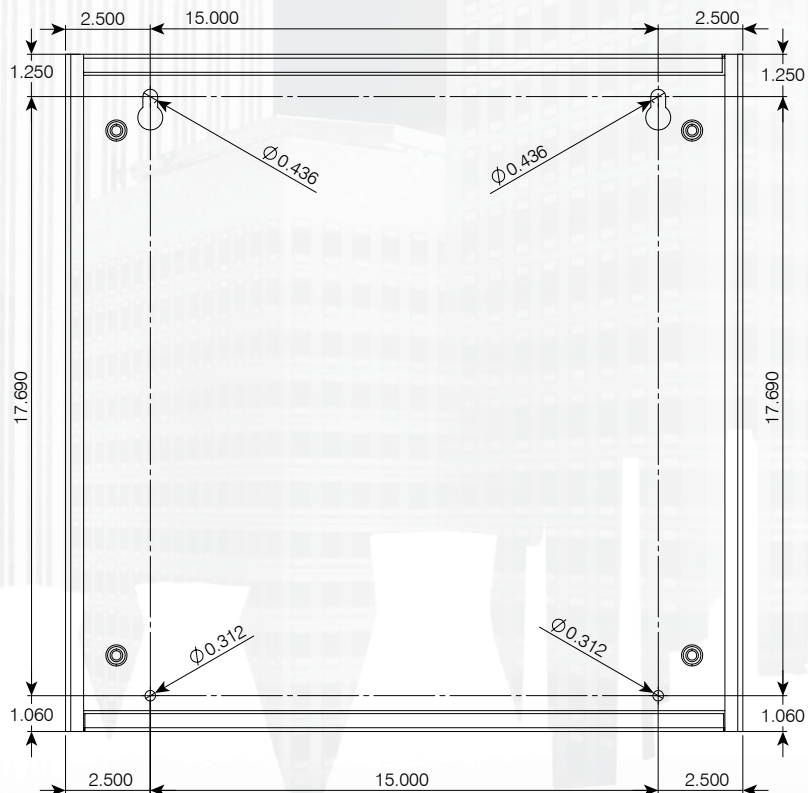[18.69cm]

6.60in
[16.76cm]

20.00in
[50.80cm]

**MP200™ in Enclosure
Side Dimensions**

20.00in
[50.80cm]

**MP200™ in Enclosure
Top Dimensions**

MOUNTING DRAWINGS

**MP200™ in Enclosure
Mounting Dimensions**

2.500   15.000   2.500

1.250   1.250

Ø0.436   Ø0.436

17.690   17.690

Ø0.312   Ø0.312

1.060   1.060

2.500   15.000   2.500
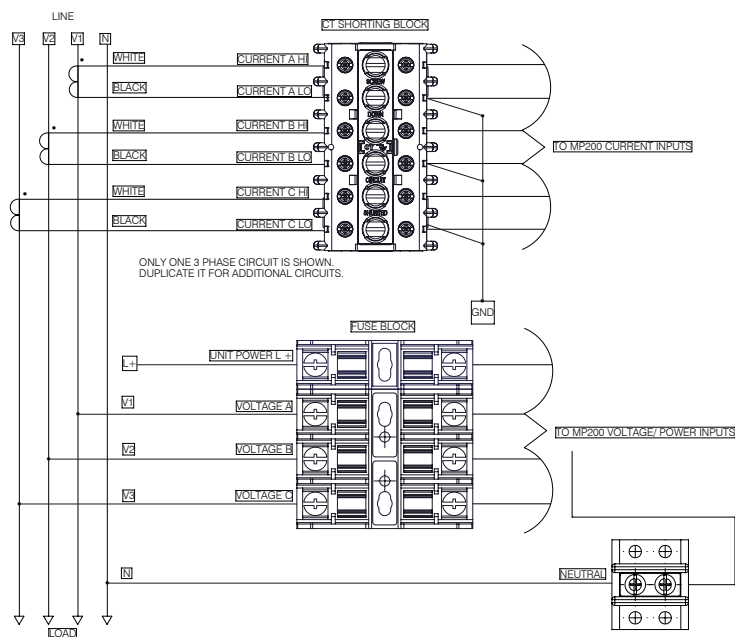
Three Phase Wiring for MP200™-Y
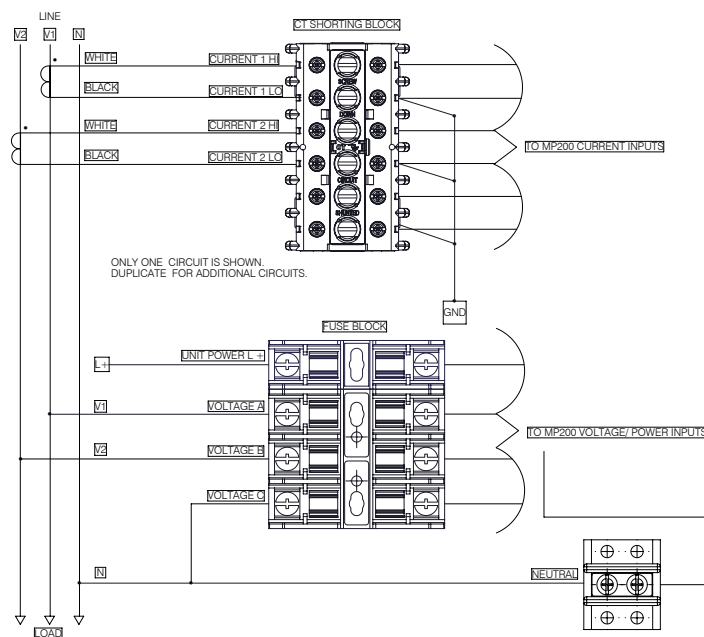
Single Phase Wiring for MP200™-S

Ordering Information

MP200™ in Enclosure

All fields must be filled in to create a valid part number.

	Model	Current Configuration	Frequency	Current Class	V-Switch Pack	Communication	Display	Add-on Protocol
Option Numbers:		–	–	–	–	–	–	–
Example:	ENCMP200 -	Y -	60 -	10 -	V2 -	WIFI -	MDSN -	ProtoCom
	MP200 Metering System in Nema 1 Enclosure	**Y** Three Phase WYE **S** Single Phase ONLY	**50** 50HZ **60** 60HZ	**10** 10 Amp Secondary **2** 2 Amp Secondary	**V1** Transducer **V2** Basic Logger **V3** Advanced Logger	**X** RS485 Only (Modbus®)* **WIFI** Ethernet and WiFi (Modbus®)*	**MDSN** 3.5" Display **MDLN** 5.7" Display	**X** No Add-on Protocol **ProtoCom** BACnet®* **ProtoCom-Lon** LonWorks®*

Optional Available Current Transformers

Solid Core Transformers

100/5 : EI-2DARL-101

200/5 : EI-2DARL-201

400/5 : EI-5ARL-401

Split Core Transformers

100/5 : EI-1SP-100-00

200/5 : EI-1SP-200-00

400/5 : EI-WC-400-RA05

Specifics are available online at the EIG website.

www.electroind.com

WIFI Antenna (Required for WIFI)

ANTI8769 - Remote mounted WiFi Antenna for mounting on outside of enclosure.

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