

# Shark<sup>®</sup> MP200™

**MULTIPOINT METER IN ENCLOSURE**  
FOR THREE PHASE AND SINGLE PHASE  
MP200™ METERING SYSTEMS



- For Retrofit Meter Solutions
- Extends Switchgear Capability
- Optional BACnet Communication Protocol
- Pre-wired and Configured
- NEMA Type 1 Indoor or Type 4 Indoor/Outdoor Rated Enclosure
- Eliminates Wiring and Installation Errors





# Introduction

EIG's MP200™ unit 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™ unit in enclosure allows you to meter up to 24 single phase or 8 three phase loads and transmit the data using a variety of communication protocols.

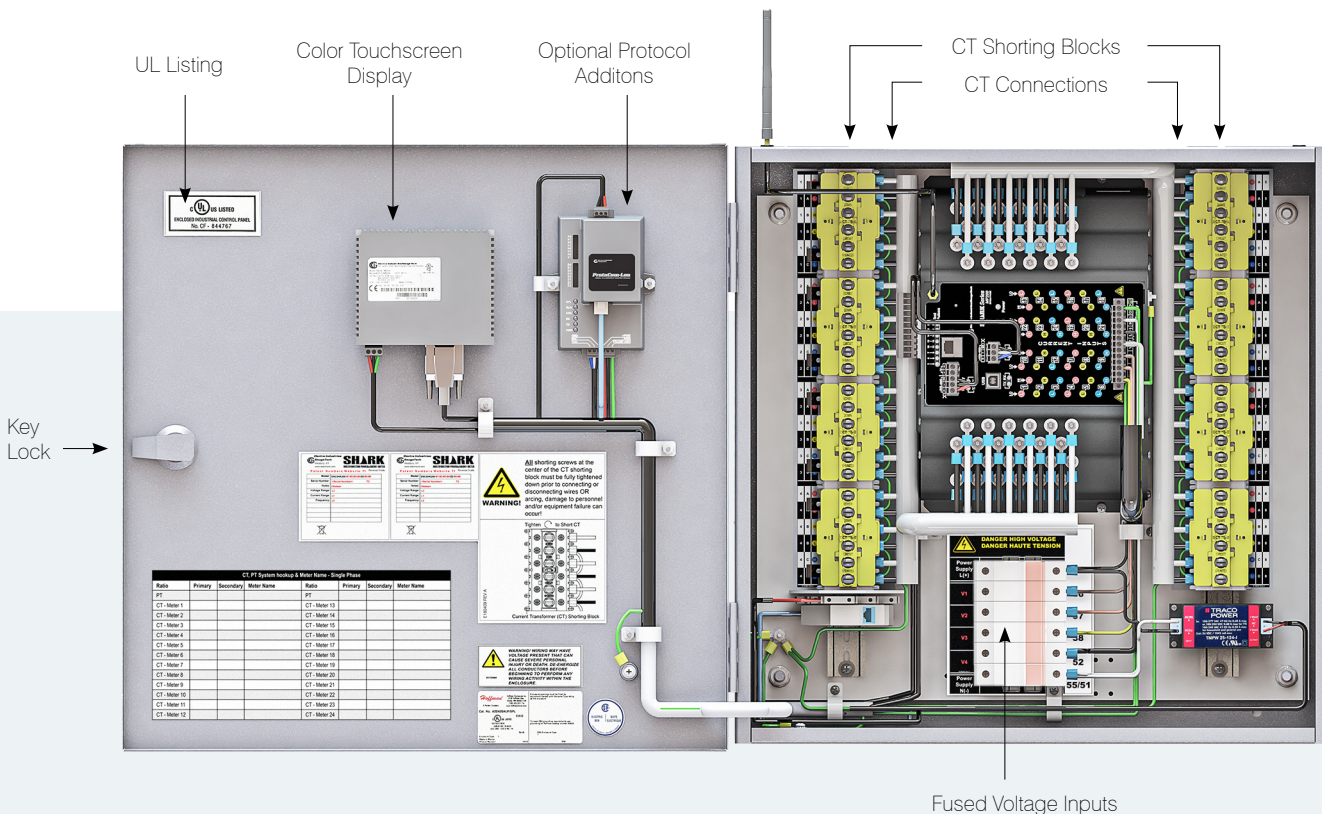


Color Touchscreen Display

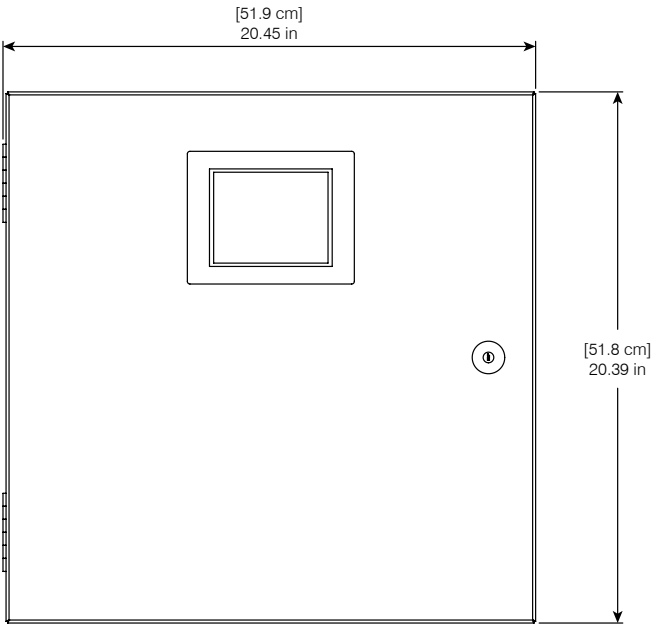
This is a perfect solution for a retrofit where there is no metering compartment available. The meter comes standard with either a NEMA 1 rated (indoor) enclosure or a NEMA 4 rated (indoor/outdoor) enclosure and is factory wired with the meter installed. Standard equipment includes voltage fuses and 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 metering system. 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. An optional ProtoCom communication converter offers BACnet and other building management system (BMS) protocols, for seamless integration into existing BMS applications.

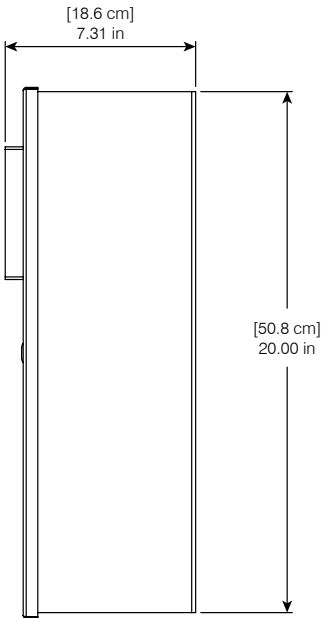
The unit is equipped with either a 3.5" or 5.7" color touchscreen display to make data reading simple and easy. The display provides extensive circuit data for every load, including circuit analysis. In the NEMA 4 enclosure, the display is covered by a NEMA 4 rated window.



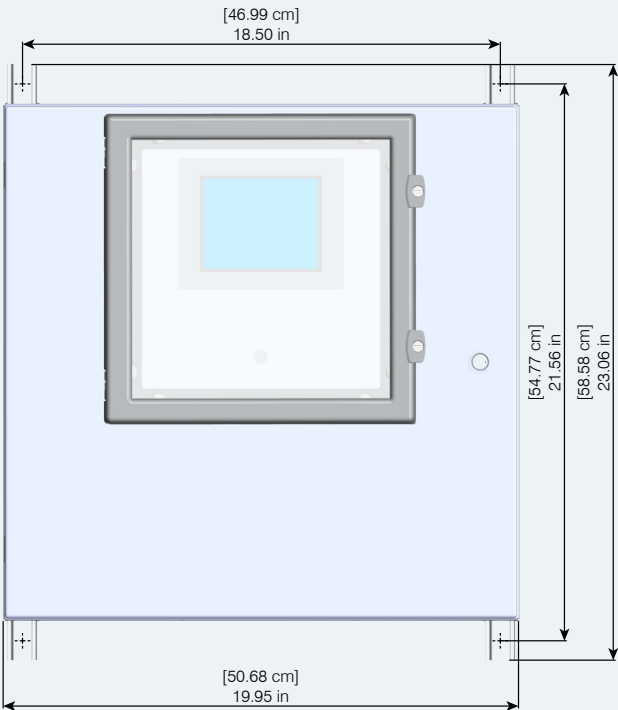
# Dimensional Drawings



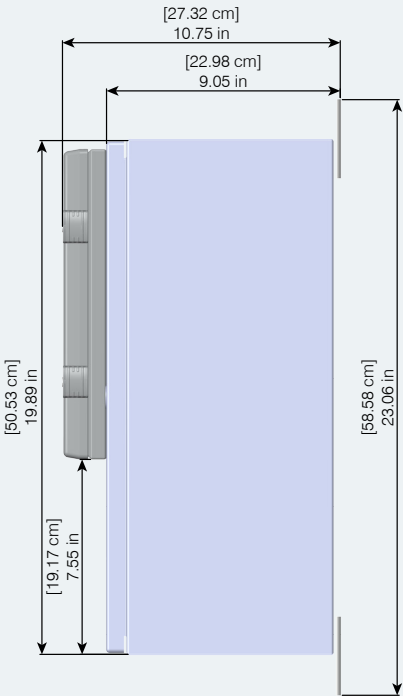
**NEMA 1 ENCLOSURE  
FRONT DIMENSIONS**



**NEMA 1 ENCLOSURE  
SIDE DIMENSIONS**

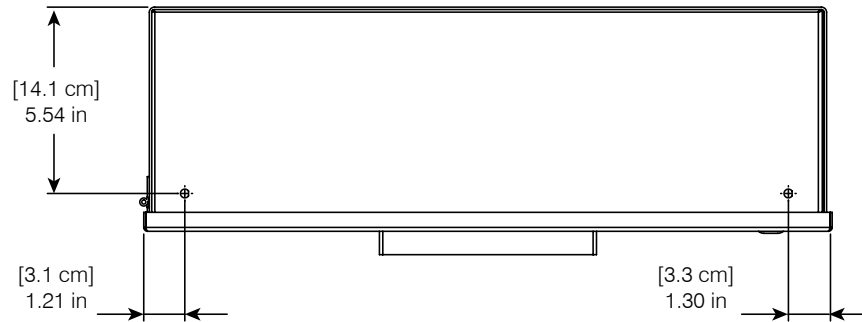


**NEMA 4 ENCLOSURE  
FRONT DIMENSIONS**

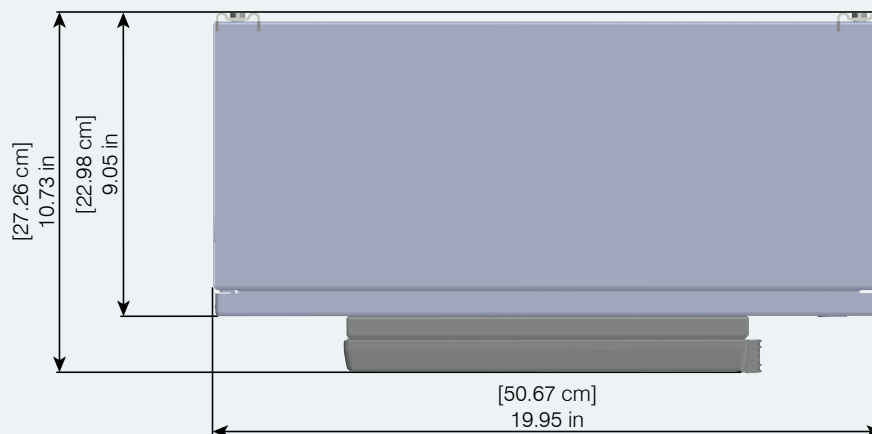


**NEMA 4 ENCLOSURE  
SIDE DIMENSIONS**

# Dimensional Drawings (cont.)

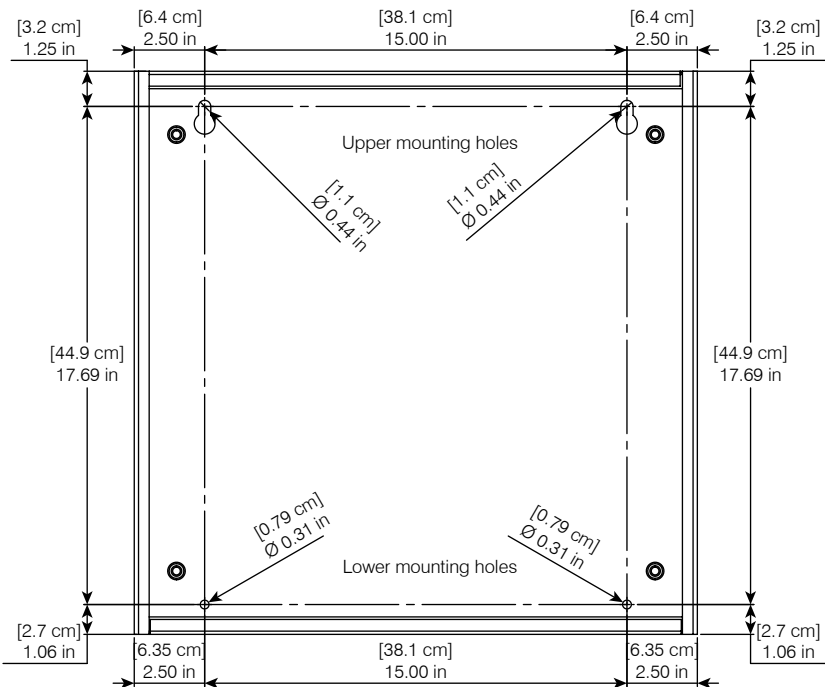


NEMA 1 TOP DIMENSIONS

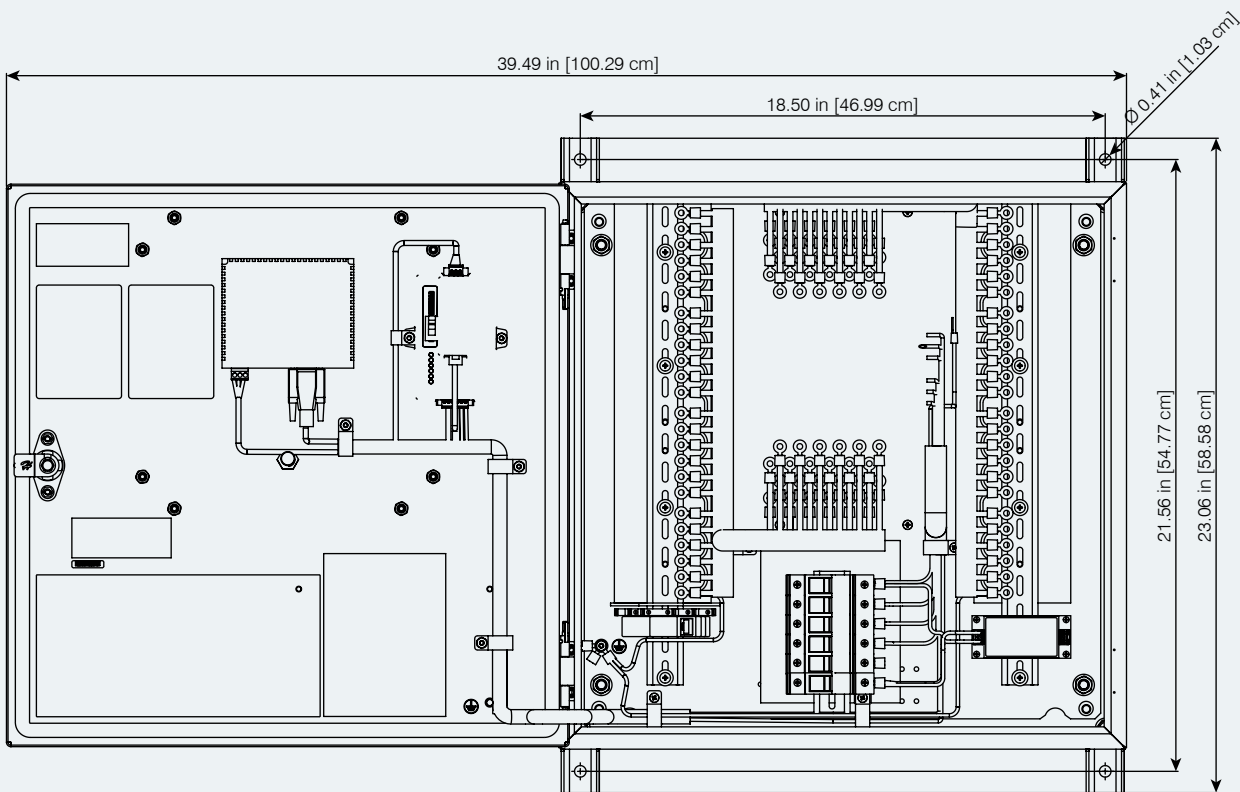


NEMA 4 TOP DIMENSIONS

# Mounting Drawings

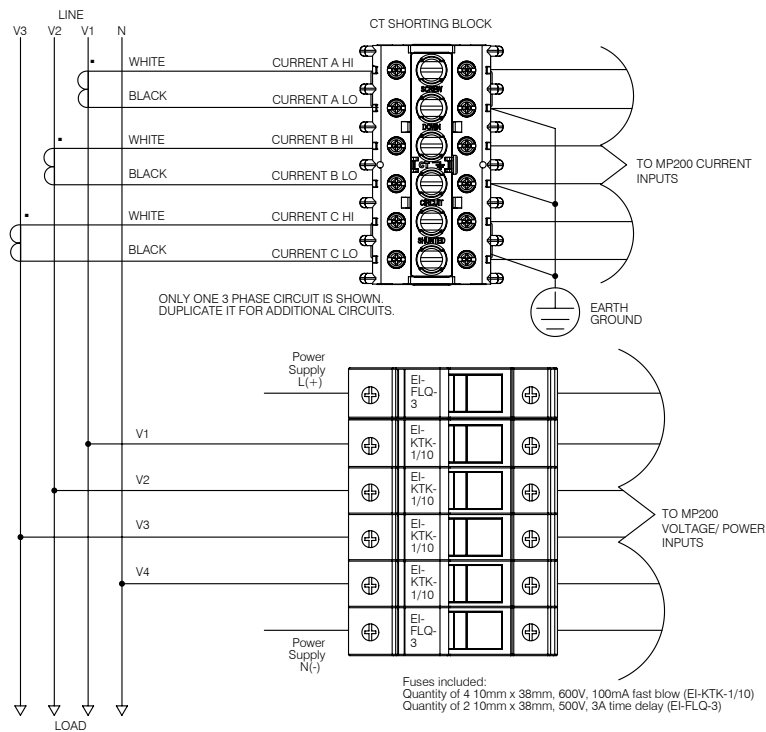


NEMA 1 FRONT MOUNTING DIMENSIONS

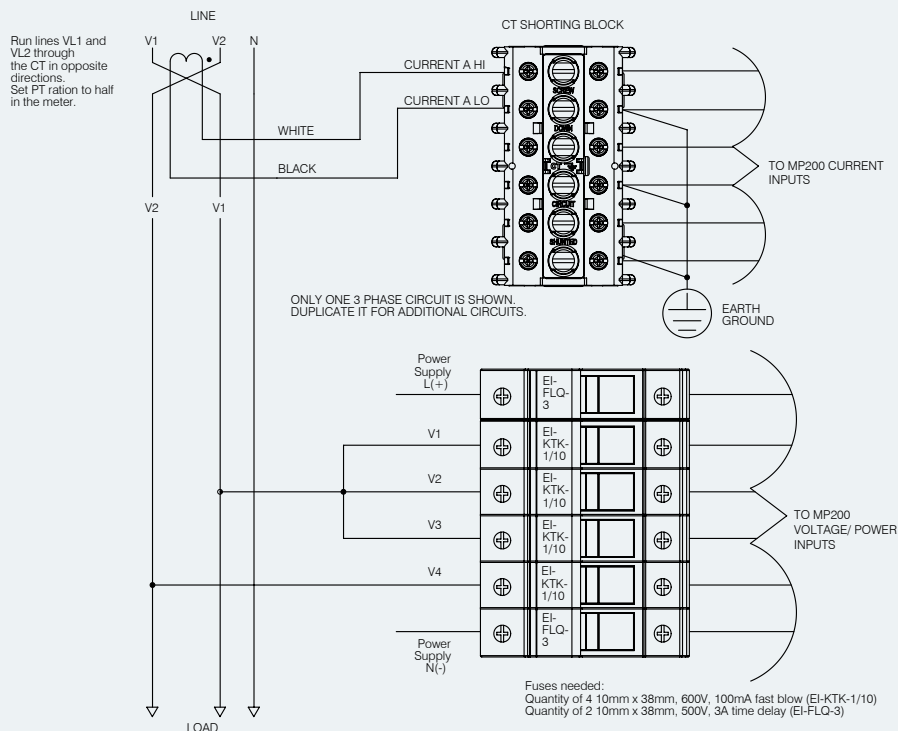


NEMA 4 FRONT MOUNTING DIMENSIONS

# Wiring Diagrams



## THREE PHASE WIRING FOR MP200™-Y METERING SYSTEM



## SINGLE PHASE WIRING FOR MP200™-S METERING SYSTEM



# Engineering Services

Industry-leading engineering services give customers the ability to maximize their energy monitoring investments.

## Benefits

- Onsite consulting and commissioning
- System integration
- Onsite customer training
- Factory-based meter calibration services
- Free email and phone support



## Why Use EIG Engineering Services?

- EIG's engineering services team works directly with our customers to help them get their project up and running and ensure it will be successful.
- EIG's technical staff consists of highly experienced and talented engineers with a variety of skills in the fields of electrical, software, and meter engineering.
- EIG can assist in commissioning, start-up verification and certification of installations, depending on your needs.
- EIG has a group of system integration engineers that can create custom SCADA (HMIPQA+™ application) or other energy management software applications, to fit your particular needs.
- When training is needed, EIG can also support you with webinar or on-site training that covers all EIG solutions. Training staff are certified RCEP instructors.
- Our engineers can assist with troubleshooting and correcting pre-installed systems, even if they include equipment not manufactured by EIG.

## Benefits of Using EIG's Engineering Services Team

- EIG's engineers are experts in their fields of knowledge and in our products.
- EIG's engineers understand the systems that our products integrate with.
- Using EIG's Engineering Services team can save you time and money.

- You can have confidence that all the data and other information from your system is accurate.

Engineers are available on an hourly or daily basis. Contact EIG's sales team at 516-334-0870 or email [EIG\\_sales@hubbell.com](mailto:EIG_sales@hubbell.com) to learn about pricing for services and to schedule an appointment.

### Ordering Information - All fields must be filled in to create a valid part number.

	Model	Circuit Configuration	Frequency	Current Class	V-Switch™ Key	Communication	Display	Add-on Protocol
Option Numbers:	-	-	-	-	-	-	-	-
Example:	ENCMP200	- Y	- 60	- 10	- V2	- WiFi	- MDSN	- ProtoCom
	<b>ENCMP200</b> MP200™ Metering System in NEMA 1 (Indoor) Enclosure	<b>Y</b> Three Phase WYE	<b>50</b> 50 Hz System	<b>10</b> 5 A Nominal CT Secondary	<b>V1</b> Transducer	<b>X</b> RS485 Only	<b>MDSN</b> 3.5" Display	<b>X</b> No Add-on Protocol
	<b>ENC4MP200</b> MP200™ Metering System in NEMA 4 (Indoor/Outdoor) Enclosure	<b>S</b> Single Phase ONLY	<b>60</b> 60 Hz System	<b>2</b> 1 A Nominal CT Secondary	<b>V2</b> Basic Logger	<b>WiFi</b> Ethernet and WiFi	<b>MDLN</b> 5.7" Display	<b>ProtoCom</b> BACnet Communication Converter
					<b>V3</b> Advanced Logger			

### Optional Available Current Transformers

<b>Solid Core Transformers</b>	100/5 - EI-2DARL-101	200/5 - EI-2DARL-201	400/5 - EI-5DARL-401
<b>Split Core Transformers</b>	100/5 - EI-1SP-100-00	100/5 - EI-1SP-200-00	400/5 - EI-WC4-400-RA05
<b>WiFi Antenna (Required for WiFi)</b>	ANT18769 - Remote mounted WiFi antenna for mounting outside of enclosure.		

CTs can be ordered online from the EIG website: [www.electroind.com](http://www.electroind.com). MP200™ is a trademark of Electro Industries/GaugeTech.



1800 Shames Drive  
Westbury, NY, 11590

1-877-EIMETER  
(1-877-346-3837)

Tel: 516-334-0870  
Fax: 516-338-4741

Email: [EIG\\_sales@hubbell.com](mailto:EIG_sales@hubbell.com)  
Website: [www.electroind.com](http://www.electroind.com)

