

Honeywell EM3S-V-P-D E-Mon Class 6200 Pulse Meter Installation Guide

[Home](#) » [Honeywell](#) » Honeywell EM3S-V-P-D E-Mon Class 6200 Pulse Meter Installation Guide 

Contents

- [1 Honeywell EM3S-V-P-D E-Mon Class 6200 Pulse Meter](#)
- [2 WARNING](#)
- [3 PRODUCT OVERVIEW](#)
- [4 INSTALLATION](#)
- [5 DIMENSIONS](#)
- [6 DISPLAY](#)
- [7 DISPLAY MENUS](#)
 - [7.1 ENERGY](#)
 - [7.2 MONITOR](#)
 - [7.3 SETUP](#)
- [8 SEALING](#)
- [9 CERTIFICATION](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)

Honeywell

Honeywell EM3S-V-P-D E-Mon Class 6200 Pulse Meter



Models:

- EM3S-V-P-D
- EM3S-V-P-J
- EM3S-V-P-R
- EM3S-V-P-ER

WARNING

PRE-INSTALLATION INFORMATION

The E-Mon® Class 6200 meter is a 3-phases meter used to monitor electric power usage of individual loads after the utility meter. Carefully read these operating instructions completely through before mounting and commissioning. For your own safety and for operational reliability, comply with all warnings and instructions. The provided protection can be impaired if the unit is not used in accordance with these operating instructions.

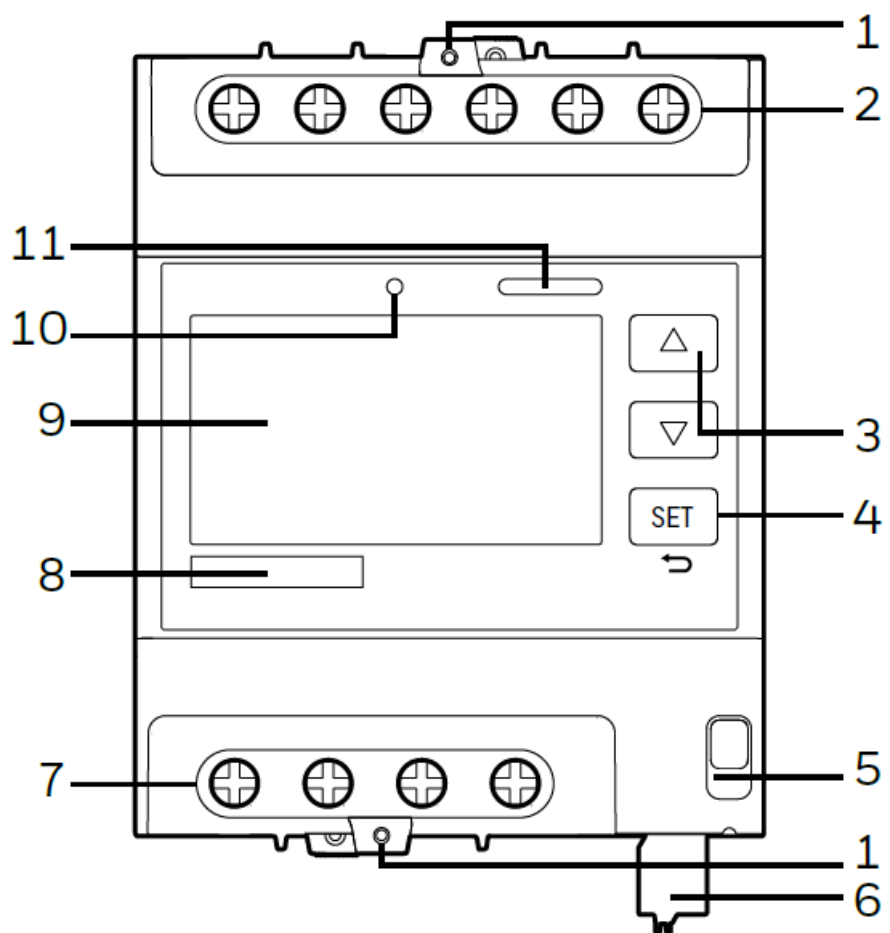
WARNING

Use of this instrument, Class 6200, in a manner inconsistent with this manual or not specified by the manufacturer in writing, can cause permanent damage to the unit and/or serious injury to the operator. The protection and safety features provided by this equipment may become impaired or otherwise compromised. High voltages present on main terminal block screw terminals. Risk of serious injury and/or electrical shock exists. Prior to performing any wiring operations, review all contents of the user manual and de-energize the MAINS power switch. Only qualified personnel should perform installation wiring. Installation wiring must comply with all local and national electrical codes.

WARNING

Please read markings printed on meter side. Carefully read these instructions and “Quick Starting Guide” (included in the package) completely thoroughly before installation.

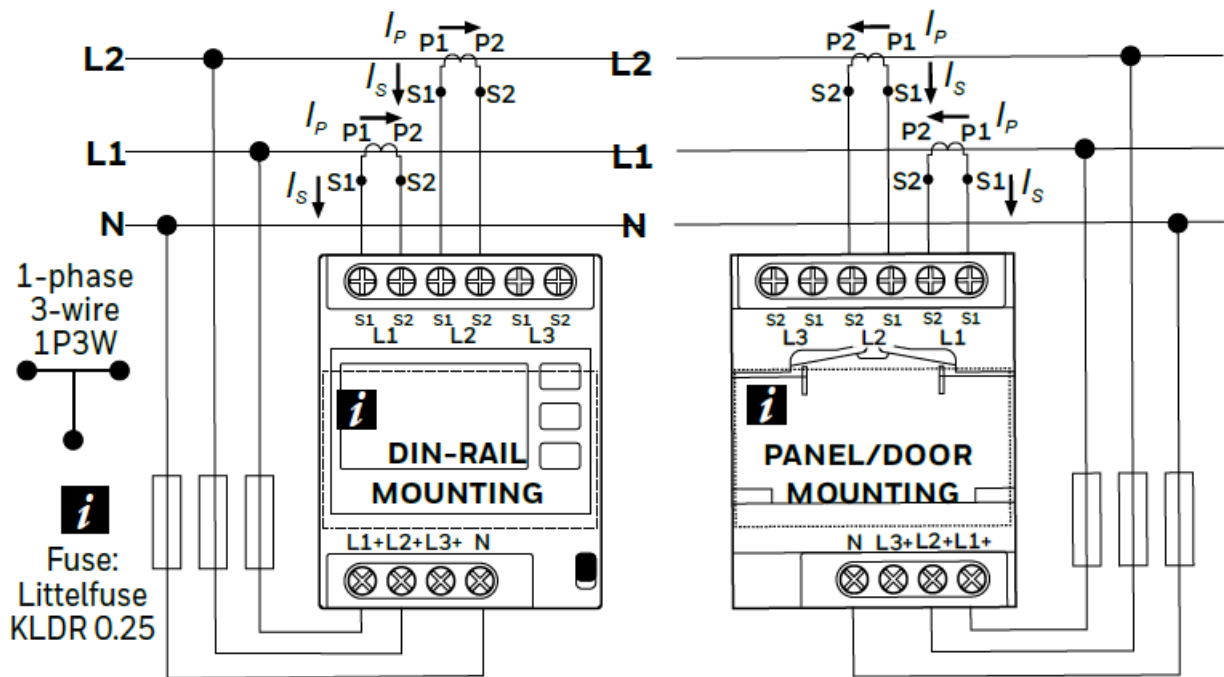
PRODUCT OVERVIEW



	Description	Function
1	Seal lock	Seal lock
2	Current Sensor Terminals	Inputs for current measurement
3	Up/Down Buttons	Use to navigate «up/down» or «left/right»
4	Set/Back Button	Short press = confirm; Long press = back
5	Setup lock	Setup lock
6	I/O Terminal	Push-in connector for I/O or Pulse meter
7	Voltage Terminals	Inputs for Voltage measurement
8	Manufacturer Specific ID	Manufacturer Specific ID
9	LCD-Display	User interface
10	Metrology LED	1000 imp/kWh (infrared)
11	Status LED	Shows the meter status

INSTALLATION

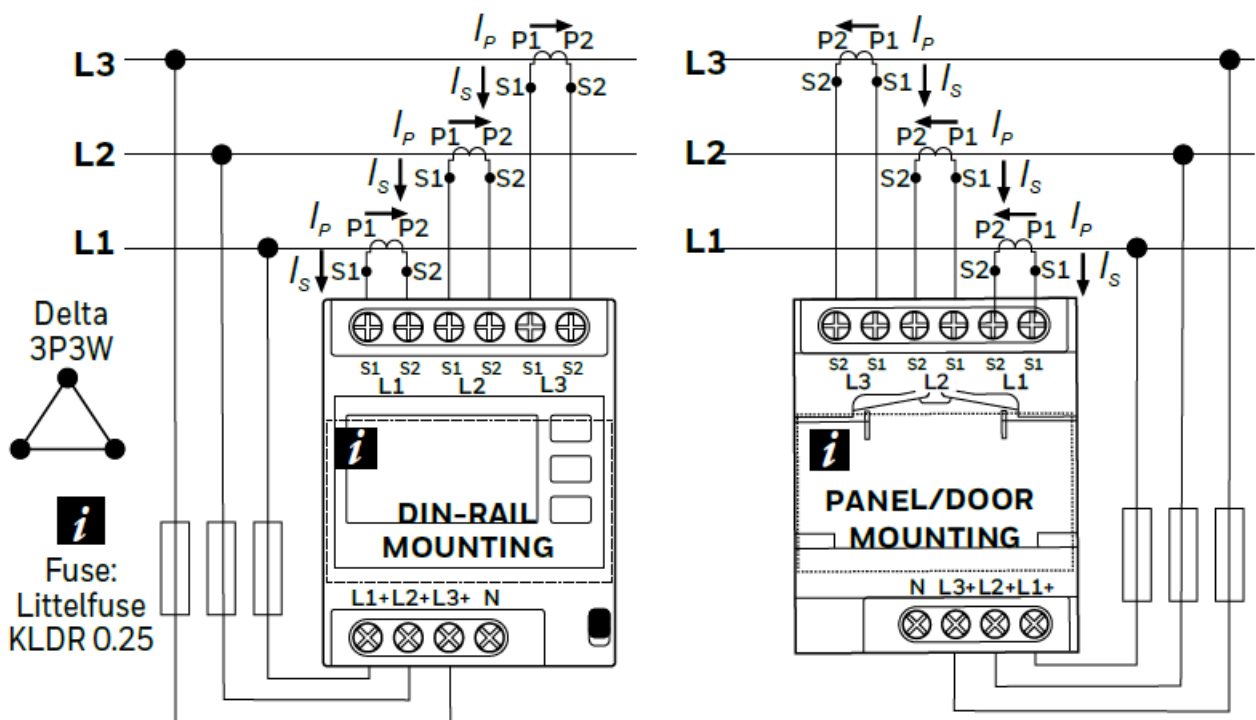
Single-Phase Three-Wire schematic



DANGER HIGH VOLTAGE! Voltage rating: 100/200 ... 230/460 VAC

- **S1:** Positive connection (White wire of current sensor)
- **S2:** Negative connection (Black wire of current sensor)

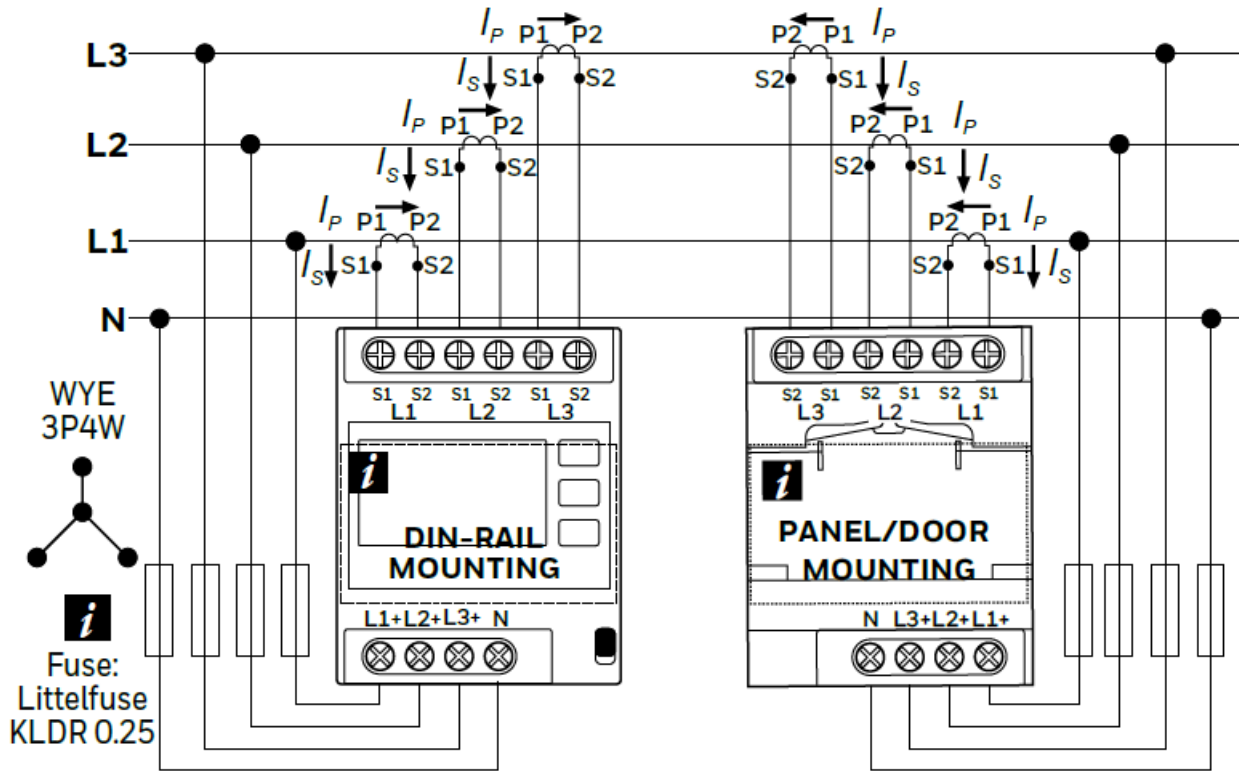
Three-Phase Three-Wire Delta schematic



DANGER HIGH VOLTAGE! Voltage rating: 100 ... 277 VAC

- **S1:** Positive connection (White wire of current sensor)
- **S2:** Negative connection (Black wire of current sensor)

Three-Phase Four-Wire Wye schematic

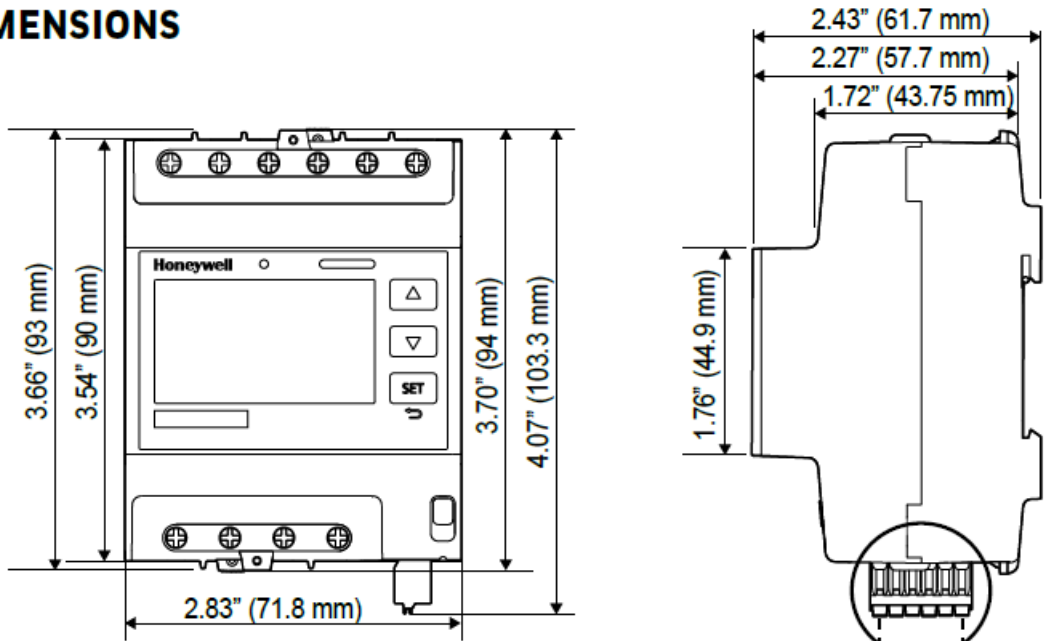


DANGER HIGH VOLTAGE! Voltage rating: 57.7/100 ... 277/480 VAC

- **S1:** Positive connection (White wire of current sensor)
- **S2:** Negative connection (Black wire of current sensor)

DIMENSIONS

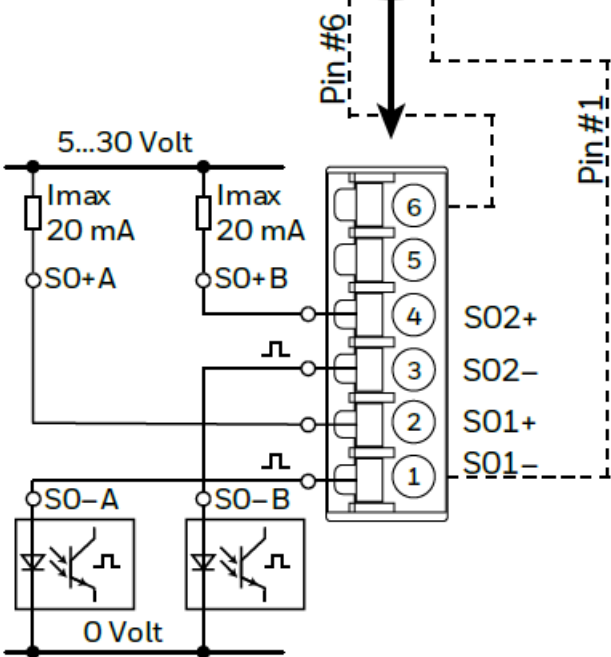
DIMENSIONS



I/O WIRING

Type: P - S0

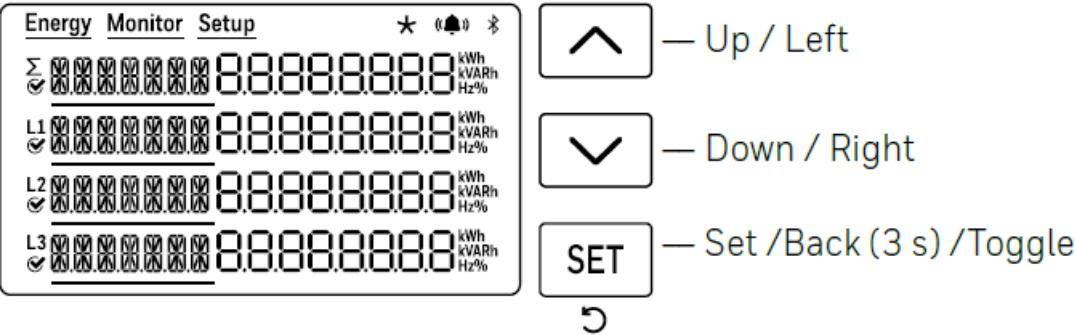
Cable length max: 3200 ft (1000 m)
Cable gauge: 1 mm² AWG17
Type: Solid copper with a twisted unshielded pair
Rating: UL1015 / 600VAC



DISPLAY

Σ Sum L1 L2 L3 Total value of L1 L2 L3
✓ Selected Selectes Item from the List

Buttons



DISPLAY MENUS

ENERGY

- **Total Registers**
 - Active Energy
 - Import (+A)
 - Export (-A)
- **Demand**
 - Active (+A)
 - Import (+A)
 - Export (-A)
- **Maximum Demand**
 - Active Energy
 - Import (+A)
 - Export (-A)
- **Partial**
 - Import (+A)
 - Export (-A)
 - Sum (+AP)+(-AP)
 - Difference (+AP)-(-AP)

MONITOR

- **Instant**
 - Line-Neutral Voltage (-N U)
 - Line-Line Voltage (-1,2,3 U)
 - Current (I)
 - Active Power (+A)
 - Active Power (-A)
 - Reactive Power (+R)
 - Reactive Power (-R)
 - Apparent Power (+S)
 - Apparent Power (-S)
 - Frequency (F)
 - Power Factor
- **Min (Minimum)**
 - Line-Neutral Voltage
 - Line-Line Voltage
 - Current (I)
 - Active Power ($|+A|+|-A|$)
 - Active Net Power ($|+A|-|-A|$)
- **Average**
 - Line-Neutral Voltage

- Line-Line Voltage
- Current (I)
- Active Power ($|+A|+|-A|$)
- Active Net Power ($|+A|-|-A|$)
- **Max (Maximum)**
 - Line-Neutral Voltage
 - Line-Line Voltage
 - Current (I)
 - Active Power ($|+A|+|-A|$)
 - Active Net Power ($|+A|-|-A|$)

SETUP

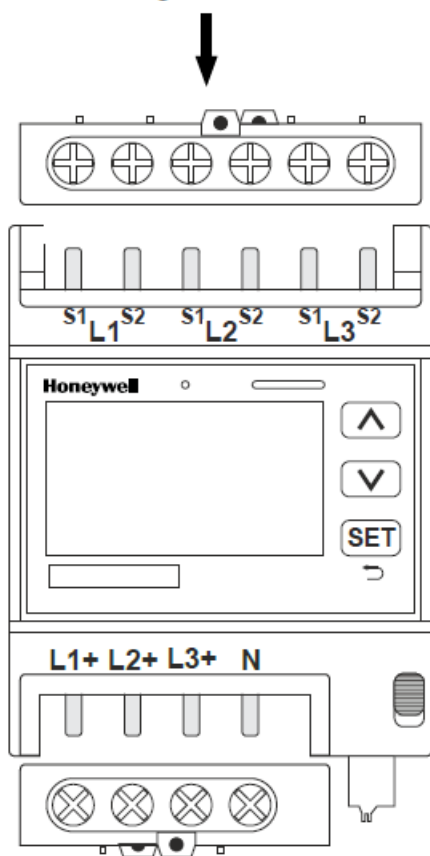
- **Reset Registers**
 - Reset Partial Reg.
 - Reset Min/Max/Avg.
 - Reset PEAK
- **System (Wiring)**
 - 3P4W
 - P1-P3+N
 - P2-P3+N
 - P1-P2+N
 - 3P3W
 - P1+N
 - P2+N
 - P3+N
- **Frequency**
 - 50 Hz
 - 60 Hz
- **Supply***
 - 277/480
 - 240/415
 - 230/400
 - 220/380
 - 127/220
 - 120/208
- **Wiring Check****
 - Acknowledge
- **Phase direction**
 - System
 - In / Out
- **CS Ratio Primary**
 - Set Value
- **CS Ratio Secondary**

- Set Value
- **Display**
 - Backlight (On/Off)
- **Clock**
 - Time/Date
- **Info**
 - **Port 1**
 - Pulse Ratio (mS)
 - Pulse Duration (mS)
 - React to
 - **Port 2**

SEALING



The grey rotating terminal blocks must be clipped and fixed to the meter before wiring.

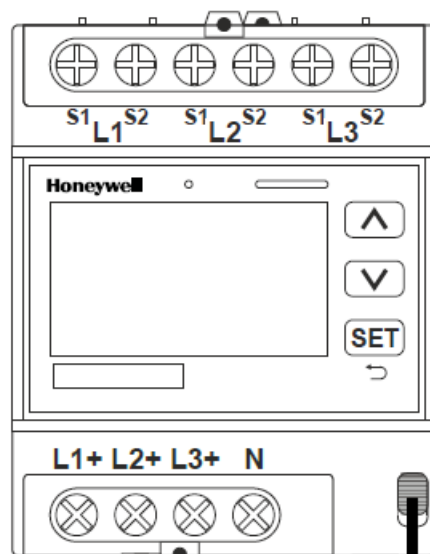


The grey rotating terminal blocks must be clipped and fixed to the meter before wiring.



Max. diameter for lead-sealing wire
1 mm² AWG17

Slide left to seal terminals



Slide right to seal terminals



Setup lock
Slide down
to lock setup



Max. diameter for power cables
0.75 mm² to 2.5 mm² / AWG14 to
AWG18 at maximum 0.8 Nm.

CERTIFICATION

Declaration of conformity

Download the Declaration of conformity by scanning the QR codes with a QR code reader on your mobile device

or click on link <https://hwll.co/dyut5>.

FCC Notices

Contains FCC ID: SQGBL654

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

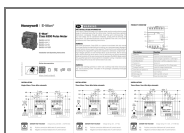
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

*System voltage options will be vary as per set System (Wiring) selection.

**Different types of errors as per instance will be visible under this option.

Documents / Resources



[Honeywell EM3S-V-P-D E-Mon Class 6200 Pulse Meter](#) [pdf] Installation Guide
EM3S-V-P-D, EM3S-V-P-J, EM3S-V-P-R, EM3S-V-P-ER, E-Mon Class 6200 Pulse Meter

References

- [BMS LinkedIn Facebook Twitter Instagram YouTube](#)