Honeywell

Class 100 Meters
Single-Phase kWh Meters

SPECIFICATION DATA

OVERVIEW

Office buildings, multi-family facilities, college campuses and hospitals all experience high energy use. Your electric utility charges you for your energy-intensive demands. By metering specific tenants, departments, cost centers or pieces of equipment in your facility, you can pinpoint when and where you are using energy. Armed with this data, you can take steps to curtail this usage and thus reduce your overall energy consumption costs.

Honeywell branded meters are designed specifically to work with the JACE I/O Module using the output at the orange screw terminal plug (TB5).

APPLICATIONS

The Honeywell Class 100 kWh meters are fully electronic, low-cost meters for monitoring electrical usage in multi-family, commercial and industrial applications.

- Energy Management: Monitor anything from a single lighting circuit to an entire building.
- Ideal for both new and retrofitted facilities.
- Can be used for tenant monitoring and billing.

FEATURES

- **UL/CUL Listed with utility-grade accuracy.**
- **Direct-read 8-digit LCD display without multiplier displays accumulative kWh and "real-time" kW load.**
- **0-2 volt split-core current sensors allow safer installation without power interruption.**
- **Parallel up to three (3) sets of current sensors for cumulative reading.**
- **Meter can be used in the following configurations:**
  1-Phase, 2-Wire
  2-Phase, 3-Wire
- **Industrial grade JIC steel enclosure for indoor installations with 1-1/16 in. KO (3/4 in. cond.) on bottom of enclosure.**
- **NEMA 4X Rain tight Enclosure (Model numbers with an "R" at the end)**
- **Padlocking hasp & mounting flanges.**
- **Maintains reading in the event of power failure.**
- **Non-volatile Memory.**
- **Certified to ANSI C12.1 and C12.16 electronic meter national accuracy standards.**
- **Meters can be placed up to 2,000 feet away from an electric panel (by extending current sensor leads).**

SPECIFICATIONS

Dimensions:
7-1/4 in. H x 7 in. W x 3-1/4 in. D.

Accuracy:
Certified to ANSI C12.1 & C12.16

Voltage Input Configuration:
2-wire 120-volt
3-wire 120/208-240-volt

Current Input:
Up to 200 amps rms AC

Pulse Output Type:
Optically coupled, normally open electronic switch.

Output:
Solid-state switch, N.O. equivalent.

Typical ON Resistance:
30 Ohms

Maximum OFF Leakage:
1 uA

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Pulse Closure Time Cycle:
50%

External Interface Voltage:
1.5 to 36 volts DC or AC

Maximum Interface Current:
100 ma

Power Factor:
0.5 leading or lagging

Frequency:
50 Hz to 400 Hz

Voltage Operating Range:
+/- 25% of rated voltage

Operating Temperature Range:
NEMA 4 (Outdoor) Housing: -4ºF to +158ºF (-20ºC to +70ºC)
NEMA 12 (Indoor) Housing: -4ºF to +122ºF (-20ºC to +50ºC)

Relative Humidity Range:
0-95% Non-Condensing

Voltage Overload:
+25% continuously

Current Overload:
Can be overloaded 100% without damaging meter

Display:
Fully electronic, 8-digit LCD display. Manual reset to zero.

Standard Ranges:
120 volt; 25, 50, 100 or 200 amps
120/208-240 volt; 25, 50, 100 or 200 amps

Approvals:
UL/CUL Listed

ORDERING INFORMATION

Table 1. Model Numbers.

Model # *	Amps	Description
SUB2120-25	25	120V, 1-Phase, 2W, Pulse Output (Supplied with (1) split-core current sensor)
SUB2120-50	50	
SUB2120-100	100	
SUB2120-200	200	
SUB3208-25	25	120V/208-240V, 1- or 2-Phase, 3W, Pulse Output (Supplied with (2) split-core current sensors)
SUB3208-50	50	
SUB3208-100	100	
SUB3208-200	200	

* Add an “R” at the end of the model number for NEMA 4X outdoor models.

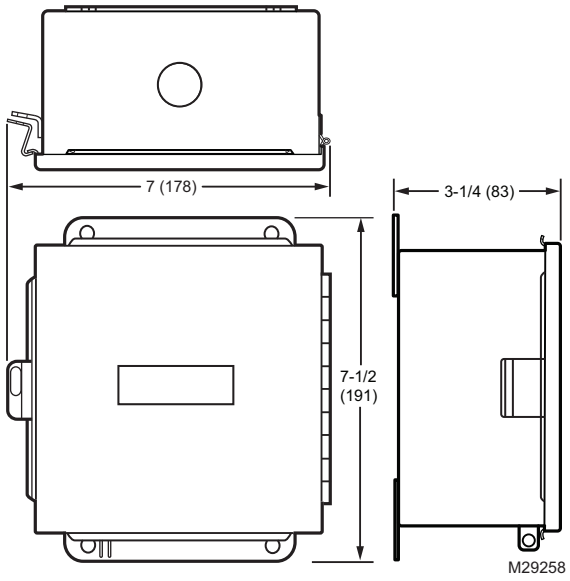

Fig. 1. Class 100 meter enclosure dimensions in in. (mm).

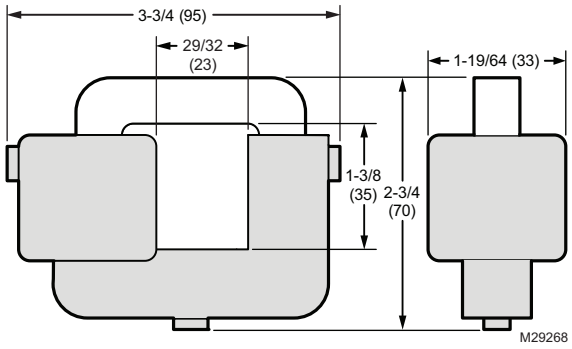

Fig. 2. 25–200 Amp current sensor dimensions in in. (mm).

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