

JOWA USA

Loop Powered Indicator PD686



Features:

- 4-20mA Input @ 30VDC maximum
- Loop-Powered Process Meter
- 1 Volt Drop
- 25.4mm (1.0 inch) 3½ Digit Display
- Operates from -40°C to +85°C
- Two-step; non-interacting Zero & Span calibration
- Display Update Rate of 2.5/second
- IP67, NEMA 4X Enclosure
- FM and CSA Intrinsically Safe

Description:

The PD686 is a two-wire digital indicator that provides local process indication of a 4-20mA signal on a 3½ digit liquid crystal display. The indicator features 3½, easy to read, 1 inch high active digits.

The PD686 is an FM and CSA intrinsically safe, IP67 loop-powered indicator that is easy to install and program. The decimal point is user selectable via a jumper. It is powered directly from the 4 to 20mA loop dropping less than 1 volt across the input terminals. No need to run additional costly power lines into a hazardous area.

The meter has a wide -40°C to +85°C operating temperature range. Calibration is a quick two step process involving the adjustment of only one set of non-interacting potentiometers.

Loop Powered Indicator PD686

Specifications:

(Except where noted all specifications apply to operation at +25°C.)

Input: 4-20mA @ 30VDC maximum

Display: 25.4mm (1.0") LCD, 3½ digits; -1999 to +1999

Accuracy: ±0.1% FS ±1 count

Entity Parameters: $V_{max} = 30V$, $I_{max} = 175mA$, $C_i = 0\mu F$
 $P_i = 1.3W$, $L_i = 0\mu H$

Decimal Point: User selectable via jumper

Calibration: Two-step non-interacting zero and span

Calibration Range: 4mA input: -1000 to +1000;
20mA input: between 20 and 2000 counts > 4mA display

Display Update Rate: 2.5/second

Maximum Input Current: 30mA

Maximum Voltage Drop: 1V @ 20mA

Operating Temperature: -40°C to +85°C for
Canadian installations -40 to 40°C

Storage Temperature: -40°C to +85°C

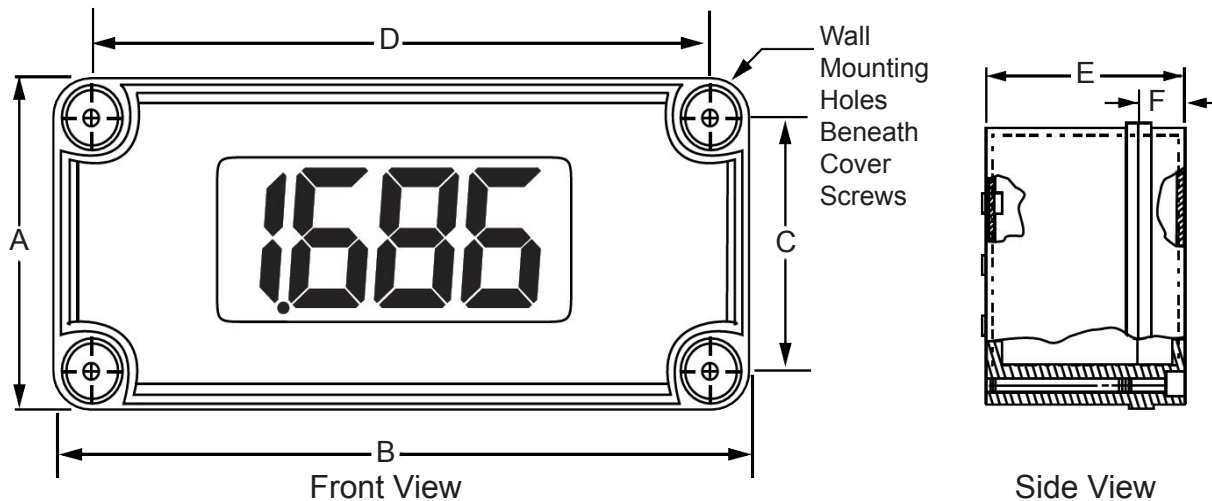
Relative Humidity: 0 to 90% non-condensing.

Enclosure: Impact-resistant, glass-filled,
polycarbonate body, color: gray; Impact-resistant,
polycarbonate cover, transparent; Polyurethane/
polymer gasket; Polyamide/plastic cover screws;
NEMA 4X, IP67

Connections: Removable screw terminal accepts
12 to 26 AWG wire.

Weight: 340g (12oz)

Dimensions:



A: 80mm (3.15") C: 60mm (2.36") E: 65mm (2.56")
B: 140mm (5.51") D: 120mm (4.72") F: 20mm (.79")

Disclaimer:

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