

IM34-11Ex-Ci

Temperature Converters



Functional Description:

This single channel device is designed to provide an analog 4/20 mA signal to a control system that is converted from an RTD, T/C or mV signal in a hazardous area.

This device is software configurable using the PACTware software tool and a configuration cable that allows configuration to be achieved through your laptop or PC.

Features:

- 1 channel temperature input
- Accepts 2, 3 or 4-wire RTD's, T/C's or mV
- Software configurable by user via PC using PACTware with software tool "Device Type Manager" (DTM)
- Temperature range adjustable
- Over/under current indication of 0 or 22 mA
- Internal or external CJC configurable

Electrical Parameters:

Inputs: Hazardous Area

Supply Voltage - (20-250 VAC or 20-125 VDC)
 2, 3 or 4-wire 100 Ω Ni or Pt RTD's
 Range -200°K to +800°K (Pt100), -60°K to +250°K (Ni100)
 T/C's B, E, J, K, N, R, S, T
 Low Voltage -160 mV to +160 mV
 Resistor current approx. 200 microamps

Outputs: Non-Hazardous Area

0/4-20 mA (Load 600 Ω max)

For entity parameters see control drawings on pages 86-91.

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Pin #	Terminal Function
1	(+) T/C or mV Input
2	(-) T/C or mV Input
3	3 or 4-wire RTD Connection
4	4-wire RTD Connection
5	2, 3 or 4-wire RTD Connection
6	2, 3 or 4-wire RTD Connection
7	(+) 0/4-20 mA Output
8	(-) 0/4-20 mA Output
9	No Connection
10	No Connection
11	Module Power (+) or AC
12	Module Power (-) or AC
Prog Port	Top of Unit to PC

