

CM-01F

Isolated 4 – 20 mA current loop receiver module

30.5.2007



Features

- 4 – 20mA current measurement
- Factory calibrated
- Fully Isolated
- No external power supply needed
- Linet connection

Application

- Analog signal data monitoring
- Signal isolation
- 4 – 20mA current signal conversion

Description

CM-01F creates isolated 4 –20mA current loop receiver interface to Linet bus. Current signal is isolated and converted in the module. Low equivalent

input resistance allows wide operating voltage range (8 – 32V). Calibration is done in the factory.

Instructions

CAT6 type Linet cable shall be connected to the network connector. After system is powered up the module shall be configured as DATA12 group type. After that the module transmits 12-bit data value relative to the measured current.

Current measurement data:

Calculation formula:

Data value /100 = current in mA

Example:

Data 2515 = 25.15 mA

745 = 7.45 mA

1000 = 10.0 mA

4095 = Overflow

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Technical specifications

Parameter	Value	Unit
Measurement range	3 – 25	mA
Accuracy	1% or better	mA
Resolution	0,01	mA
Operating temperature	0 – 50	Celsius
Operating humidity	Non condensing	
Dimensions	50 x 66.5 x 20	mm

Ordering

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