

AHM733MX Process Trip Transmitter

- ★ Suitable for any process input
- ★ Supply Voltages 21 to 30Vdc
- ★ Amelec Standard 10 year guarantee

Technical Specifications

Input

DC current / voltage can be specified in the range of:

Current up 100mA max (externally powered)

Current up 22mA max (Internally powered)

Voltage 0.4 to 100V max

Default input range: 4 - 20mA (Passive)

Output

DC current or voltage specified in the range of:

Current up to 100mA max in Sink configuration (externally powered)

Current up 22mA max Source configuration (Internally powered)

Voltage 0.4 to 20V max @ up to 20mA.

Default output range: 4 - 20mA (Source)

Trips

Trip 1 can be configured as High or Low. Default setting High.

Trip 2 can be configured as High or Low. Default setting Low.

Hysteresis can be specified in the range 1 to 20% of input span.

Default setting 1% of span.

RELAY OUTPUT: 2 x S.P.D.T. 250Vac 2A 100VA Resistive

Indicators: 2 x Red led to indicate trip status.

Controls

Zero / Span : 15 turn potentiometer to calibrate Output.

Trip 1 / 2 : 15 turn potentiometer to set trip point in the range of 0 to 110%.

Linearity: +/-0.1%

Response time: <200ms

Accuracy: +/-0.1%

Isolation / Protection

1000V RMS. Input/Output/Relay/Supply/Earth

Internal quick blow supply fuse

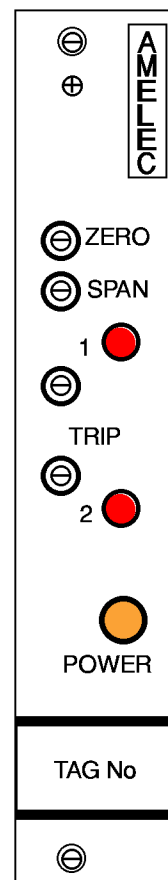
Fail safe on Input open circuit and loss of power.

Application:

Suitable for any process high density trip transmitter application.

MTBF Data to support SIL Level 1, 2 & 3 applications. (IEC 61508-2)

FRONT VIEW



Mounting

Card 3U high x 4E wide.

Card weight <200g

19" rack can hold up to 21 cards.

Environmental Conditions

Storage Temperature -40 to 70°C

Operating Ambient -15 to 55°C

Relative Humidity 5-95 % RH

Options:

Common LCD Display for local monitoring

HART compatible (Transparent)

Other Input types available. TC/RTD/mV

SPST Relay contact on Input O/C.

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