

Intrinsically Safe Relay Controller

FSIS-35P-4



SAFE STOPS & RELIABLE RESTARTS

The FSIS-35P-4 isolating switching amplifier initiates a safe, reliable response when a fault occurs or an obstruction is detected. Equipped with complete galvanic isolation and an intrinsically safe input circuit, the FSIS-35P-4 enables safe operation of electrical equipment in explosive atmospheres. Reverse polarity protection ensures equipment is not damaged if the power supply polarity is reversed by cutting off power to the controller.



APPLICATIONS

- Explosive atmospheres:
 - Sensing mats
 - Emergency stops
 - Sensing edges

FEATURES

- Complete galvanic isolation
- Input reverse-polarity protected
- Functional safety rating SIL 2
- Installation in zone 2
- 2 relay outputs (N.O.)
- Output mode adjustable (N.O./N.C. mode)
- Input circuits monitored for wire-break/short-circuit (on/off switchable)
- 1-year warranty

610-869-4422
www.milleredge.com





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GENERAL SPECIFICATIONS

Agency Approvals ATEX, IECEX, UL, ^oFM^{US}, CSA, TR CU, NEPSI, KOSHA, TIIS, CCOE, INMETRO

PERFORMANCE

Operating Temperature	+14° to +131°F (-10° to +55°C)
Operating Humidity Range	≤ 95%
Mechanical Life	>10 million operations
Response Time	<20 msec.

ELECTRICAL

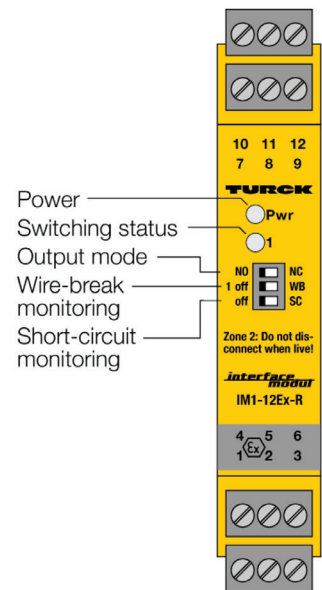
Power Supply	20-250 V AC, 20-125 V DC
Power Consumption	3 Watts
Inputs	1-channel: 2/4-wire
Outputs	2 (N.O.): Configurable output relay, alarm output relay
Maximum Switching Capacity	2 A 250 V

PHYSICAL

Dimensions (W x H x D)	0.71 W x 4.1 H x 4.33 D in. (18 x 104 x 110 mm)
Weight	5.9 oz. (167g)
LED Indicators	2: Power, status
Mounting	35 mm DIN rail
Connection Blocks	4: 3-pin removable terminal blocks, reverse polarity protected, screw terminal
Housing Material	Polycarbonate ABS
Ratings	Functional safety rating SIL2, IP20

RELATED PRODUCTS

- Miller Edge Sensing Mats in explosive environments:
 - ME151: Thick PVC top/thick PVC bottom
 - ME146: Thin vinyl top/thin vinyl bottom
 - ME140: Thin vinyl top/thick vinyl bottom
- Sensing Edges in explosive environments:
 - Any model 2/4-wire Miller Edge sensing edge



Contact Miller Edge to ensure compatibility.

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