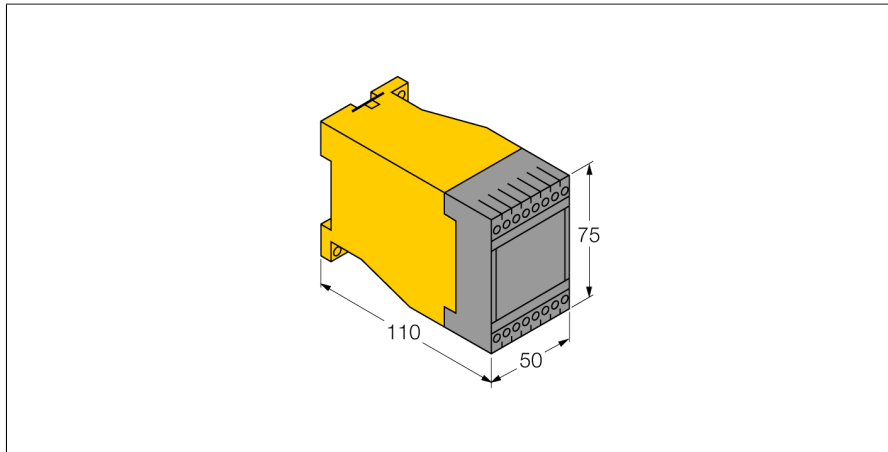


Processor Unit

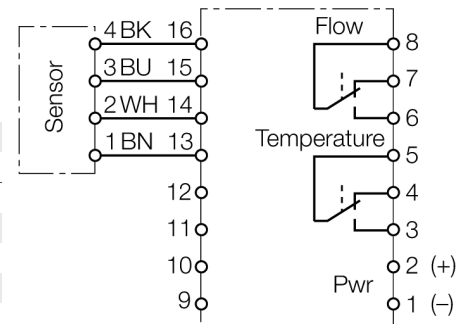
For the Connection of FCS Product Series Non-Ex Flow Sensors

MS96-12R/24VDC



- For connection of a standard flow sensor
- Adjustment via potentiometer
- 6 LEDs for display of the flow state
- Temperature monitoring adjustable -20...+100 °C
- Switch-off delay adjustable 0...25 s
- Wire-break monitoring
- 19...29 VDC
- 2 relay outputs for flow and temperature

Wiring Diagram



Functional principle

The signal processors not only supply immersion and inline flow sensors with voltage, they also process and display measured signals. Devices of the MK96... and FM-IM-... models are available. The individual models are designed for different operating voltages and feature various output and supplementary functions. For Ex flow sensors, it is required to use signal processors with intrinsically safe input circuits of the FMX-IM-... product series.

ID	5231007
Type	MS96-12R/24VDC
Ambient temperature	-20...+60 °C
Operating voltage U _s	19...29 VDC
Current consumption	≤ 120 mA
Output function	Relay output, Complementary contact
Protection class	IP20
Protection class (terminals/housing)	IP20 / IP40
Design	Signal processor
Dimensions	110 x 50 x 75 mm
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	Terminal chamber
Indication: Drop below setpoint	LED Red
Indication: Setpoint reached	LED Yellow
Indication: Setpoint exceeded	4 × LEDs Green