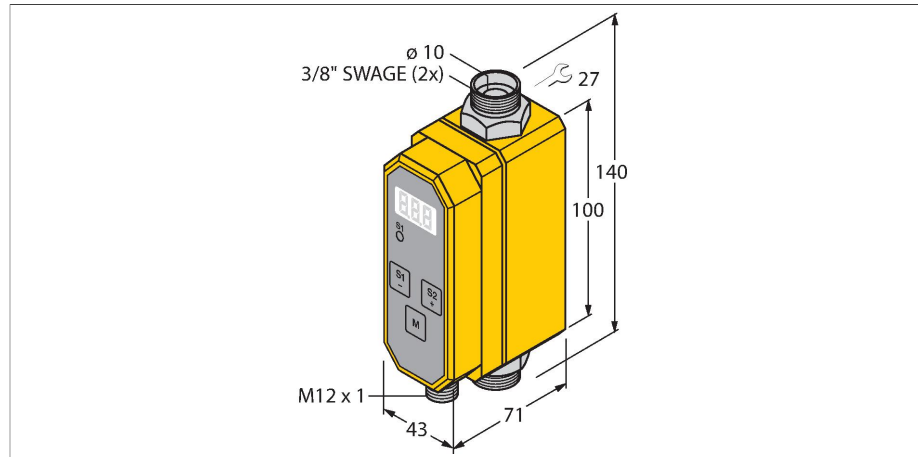


FCI-D10A4P-2ARX-H1160/D201

Flow Monitoring – Inline Sensor with Integrated Processor

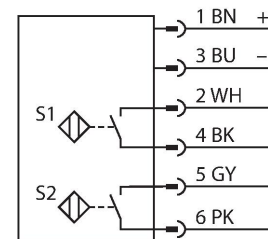
Relay Output 24 VDC NO



Features

- Flow sensor for liquid media
- Calorimetric principle
- Adjustment via potentiometer
- LED band
- Operating range 0.8...15 l/min
- 2 relay switching outputs
- Switching outputs 24 VDC NO
- Switchpoints freely adjustable

Wiring diagram



Functional principle

The function of the inline flow sensors is based on the thermo-dynamic principle. Heat is generated in a measuring tube and absorbed by the flowing medium. The transported heat loss is thus a measure of the flow speed. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media. A low pressure drop and fast response to flow rate variations are the outstanding features of these devices.

Technical data

ID	6870679
Type	FCI-D10A4P-2ARX-H1160/D201
Special version	D201 Corresponds to:FCI-kompakt, programmierbar mit 7-Segmentanzeige, Schneidringverschraubung für 3/8" Rohr, Innendurchmesser 10 mm, Temperaturanzeige, 2 Relaisausgänge, 3 Fluide
Mounting	Inline sensor
Flow operating range	0.8...15 l/min
Stand-by time	5...15 s
Switch-on time	1...8 s
Switch-off time	1...8 s
Temperature gradient	≤ 400 K/min
Medium temperature	-10...+95 °C
Ambient temperature	-20...+60 °C
Electrical data	
Operating voltage U_B	21.6...26.4 VDC
Current consumption	≤ 50 mA
Output function	Relay output, NO contact
Short-circuit protection	no
AC switching voltage	36 VAC
DC switching voltage	30 VDC
Protection class	IP65

Technical data

Mechanical data	
Design	Inline
Sensor material	Stainless steel, 1.4571 (AISI 316Ti)
Max. tightening torque of housing nut	30 Nm
Electrical connection	Connector, M12 × 1
Process Pressure	10 bar
Process connection	3/8" Swagelok
Tests/approvals	