

F053 Intrinsically Safe - Pressure Monitor

with one high / low alarm output



Features

- Pressure monitoring: two alarm values can be set: low and high pressure alarm.
- Alarm values can be changed by the operator or they can be password protected.
- One alarm output for high, low or both combined pressure alarms.
- Pressure: six large 17mm (0.67") digits.
- Selectable on-screen engineering units: mBar - Bar - PSI.
- Red flashing LED backlight in case of a pressure alarm; intensity adjustable.
- Displays clear alarm messages.
- Intrinsically safe according ATEX, IECEx, FM and CSA C-US.
- GRP, Aluminum or high grade stainless steel enclosure.
- Auto backup of settings in EEPROM memory.
- Easy configuration with clear alphanumeric display.
- Ambient temperature: -40°C to +80°C (-40°F to 176°F).
- Various [accessories](#) are available for this product.

Product description

The F053 is a versatile pressure indicator with continuous pressure monitoring feature. It offers the ability to set one low pressure and one high pressure alarm value. If desired, an ignore function can be set up to allow for an incorrect pressure for a certain period of time. The configuration of the Span, off-set and number of decimals is done through software functions, without any sensitive DIP-switches or trimmers.

The display shows the actual pressure, alarm values, alarm messages and status. On-screen engineering units are easily configured from a comprehensive selection.

Advantages

- Robust aluminum or stainless steel 316L field enclosure (IP66, IP67 / NEMA Type4X) . It is so rugged, a truck can even stand on it!
- Intrinsically Safe available - ATEX, IECEx, FM and CSA approval for gas and dust applications.
- Familiar easy operation with the Fluidwell "Know one, know them all" configuration structure, saving time, cost and aggravation.
- Very diverse mounting possibilities: walls, pipes, panels or directly onto outdoor sensors.

Applications

- For applications where continuous pressure measurement and monitoring is important without signal re-transmission.
- The F-Series is your first and best choice for field mount indicators in safe and hazardous area applications. Especially in harsh weather conditions like rain, snow, sandy deserts, salty atmospheres and temperatures between -40°C up to +80°C (-40°F up to 176°F).

Product specifications

Signal Inputs

Pressure Inputs

- (0)4 - 20mA.

Supply

Power Supply

- Long life Lithium battery.
- 4 - 20mA, input Loop-powered.
- 8 - 24V AC/DC.
- 115 - 230V AC.
- Basic: 8 - 30V DC.

Sensor Supply

- 8.2, 12, 24V DC.

Signal Outputs

Alarm outputs

- Function: Configurable alarm output for high, low or both combined pressure alarms.
- Type: One passive NPN transistor, active PNP transistor or isolated electro-mechanical relay.

Analog outputs

- None.

Hazardous Area

Intrinsically Safe

- ATEX:
Gas: II 1 G Ex ia IIC T4 Ga
Dust: II 1 D Ex ia IIIC T100°C Da
- IECEX:
Gas: Ex ia IIC T4 Ga
Dust: Ex ia IIIC T100°C Da
- CSA:
I.S. Class I/II/III, Div 1, Grp A...G, T4
Class I, Zone 0, AEx ia IIC T4
- FM:
I.S. Class I/II/III, Div 1, Grp A...G, T4
Class I, Zone 0, AEx ia IIC T4

Explosion Proof

- ATEX:
Gas: II 2 G / Ex d IIB T5 Gb
Dust: II 2 D / Ex t IIIB T100°C Db

Communication

- Modbus communication available on [F1-Series](#) products.
- HART communication is available with the [F018 & E018](#) Flow rate Monitor / Totalizers.



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We're happy to answer any questions about our products and services.
Just send us an email or give us a call.