



FCAR3™

Loop Powered Analog Relay Data Sheet



Description

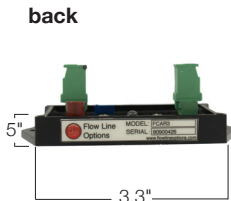
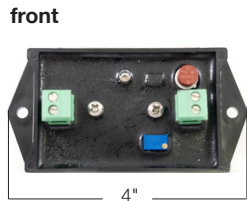
The FCAR3 Loop-Powered Analog Relay is a simple, yet affordable solution for any loop-powered device that requires an alarm trip or control set-point. Available in panel or field mount, the FCAR3 can be used to convert 4-20mA current loop signals to high or low alarm signals. The FCAR3 features a trip set-point that is fully adjustable through the entire 4-20mA scale. In addition, this unit can be placed in a series with other devices in a current loop.

Features & Benefits

- 2-Wire Loop-Powered
- Economically Priced
- Available in Panel or Field Mount Versions
- AC and DC Loads Up to 300V Peak @ 125 mA
- Alarm Trip Set-Point Has Full Adjustment via Potentiometer

Dimensions

Panel Mount (FCAR3-P)



Field Mount (FCAR3-F)



Specifications



Input	
Analog	4-20 mA current loop input signal
Maximum Voltage Drop	5 VDC
Output	
Form A	Solid state relay (normally open)
Load Current	125 mA continuous, Reduced by 4 mA/°C above 60°C
Peak Current	400 mA for 10 mps
On Resistance	14 Ω (Typical at 125 mA)
Off State Leakage Current	5uA
Electrical	
Operating Temperature	F: -40° to 185° C -40° to 85°
Peak Blocking Voltage	300V
Isolation Voltage, Input to Output	400Vrms
Hysteresis Band (On/Off, Off/On)	150uA

Note: Please Consult Factory for Special Requirements

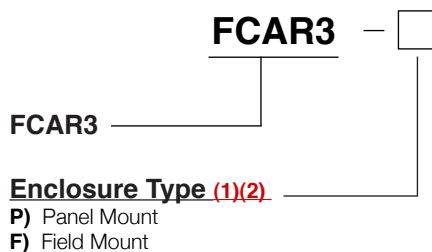
Ordering Information

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call 877.FLO.LINE

Use the diagram below, working from left to right to construct your Flo-Corp Model Number. Simply match the category number to the corresponding box number.

Example: FCAR3-P FCAR3, Panel Mount Enclosure



Ordering Notes:

- (1) Select the best configuration based on your requirements
- (2) Panel Mount: Panel/Surface mount applications or DIN
Field Mount: NEMA 4/7; Class I, Div. I (Aluminum Enclosure)

Specifications are subject to change without notice.

