

A Versatile Position Transmitter for Linear and Junction Box Applications

The GUARDIAN is a versatile valve position transmitter designed for a wide variety of applications:

Linear Control Valves - The picture to the right shows the GUARDIAN mounted to a linear control valve.

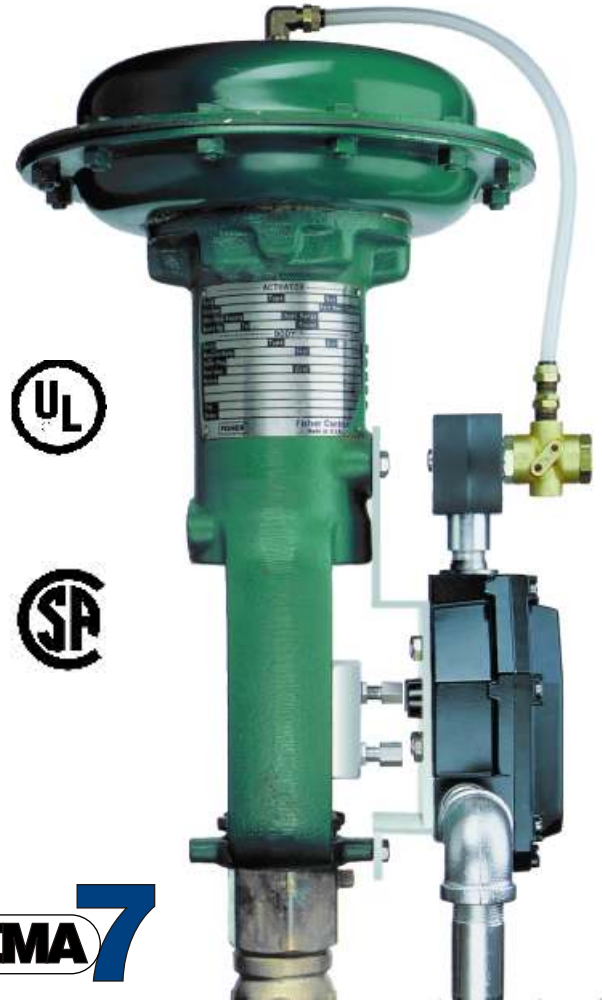
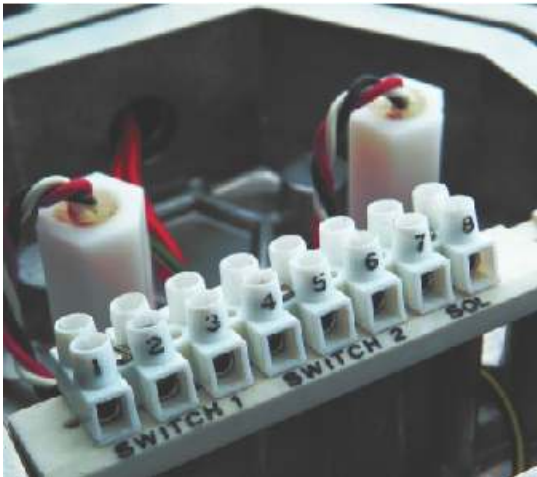
Knife-Gate Valves - The Guardian is adaptable to knife-gate valves, and can be used together with a Companion VPT to form an integrated package. The Guardian would provide the junction box and one limit switch, and the Companion would provide the second limit switch.

Rotary Valves - The Guardian can be used on an actuated rotary valve for a NEMA 6P (periodic submersion) applications.

Junction Box Applications - With 3 conduit entries and a maximum of 26 terminal points, the Guardian is a cost-effective alternative to standard junction boxes.

The Guardian is available with Moniteur's advanced line of TTL Non-Contact Switches or Inductive Sensors, providing the ability to interface with any plant control system.

explosion-proof
nema 4, 4x, 7, 9



Industry Approvals:

TTL Switches: UL / CSA

Class I, Division 1 & 2, Groups C & D;
Class I, Division 2, Groups A & B;
Class II, Division 1 & 2, Groups E, F & G

Inductive Sensors:

P&F Inductive Sensors listed are FM
Intrinsically Safe Approved

Material Specifications

- ▶ Enclosure - Aluminum with Optional Hard Anodizing for Severe Applications
- ▶ Fasteners - 316 and 18-8 Stainless Steel
- ▶ O-rings - BUNA-N or Optional Viton

Certified Configurations

- ▶ 2 - 3/4" F NPT + 1 - 1/2" F NPT Conduit Entries Standard
- ▶ 1 or 2 Tungsten or Rhodium TTL Hermetically Sealed Proximity Switches
- ▶ 1 or 2 Inductive Proximity or Intrinsically Safe Sensors (Rated Nema 4 Only)
- ▶ Up to 26 Terminal Points

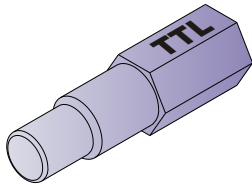
Intelligent Part Number System

K	F	N	N	-	0	2	2	6
Series						Switch	Quantity	Conduit

Description	Code	Description	Code	Description	Code
Series: Guardian	K	Switch/Sensor		Options	
		No Switches - Junction Box Only	0	16 Terminal Points	-16T
		Tungsten TTL Prox 3A-125 VAC	2	26 Terminal Points	-26T
		Rhodium TTL Prox 1A-24VDC	T	Nema 6P Rating (No UL/CSA)	-6P
		P&F NJ 5-18GM-N, NAMUR	8	Contact Moniteur for additional option codes and custom requirements	
		Sensor Quantity	1-2		
		Conduit Connection			
		2 - 3/4" F NPT + 1 - 1/2" F NPT	6		

Popular Switch and Sensor Specifications

- TTL Hermetically Sealed Proximity Switches



Electrical Ratings

Rhodium (DC Signals):
1 A / 24VDC - 0.25 A / 120VAC
Tungsten (AC Signals):
3 A / 120 VAC - 2 A / 24VDC
Operating Temperature
-40 to +175 °F

- Pepperl & Fuchs NJ 5-18GM-N NAMUR Inductive Sensors (Intrinsically Safe)



Electrical Ratings

NAMUR 5-25 VDC
Target Present 3-15 mA
Target Absent <1mA
Operating Temperature
-25 to +140 °C

Dimensions

