GE Energy

Masoneilan^{*} 496 Series Position Switches and Transmitters fact sheet

Flexibility In Monitoring Control Valve Stroke Position

Overview

The 496 Series devices are used for indicating positions in the stroke of a control valve on which they are mounted. The detection can be either on-off, in which the housing is fitted with micro-switches or proximity detectors, or continuous, in which the housing is fitted with an opto-electronic unit. Both functions, on-off and continuous, can be combined. These devices may be mounted on rotary valves such as Camflex* II, MiniTork* II, or V-Max*, or on linear motion valves such as the series 21000 and 41005.

The body and cover are made of epoxy-painted anodized aluminum. These devices can be explosion-proof and dust- and water-tight in accordance with ATEX 94/9/EC Directive.

Some of them are intrinsically safe. (See the following pages for details.) The absence of mechanical contact in the proximity detectors and the opto-electronic position transmitters produces:

- almost complete insensitivity to vibrations and electrical interference,
- very low operating friction,
- virtually infinite operating life.





imagination at work

fact sheet

Numbering System

US design

Series Identification 496-a



European design Series Identification 496-ab/c

a			Instrumen 1 One elec 2 Two elec 4 One pro 5 Two pro 6 One elec 7 Two elec 8 Opto-elec	Instrument Type1 One electromechanical switch single-pole, double-throw2 Two electromechanical switches single-pole, double-throw4 One proximity detector switch5 Two proximity detector switches6 One electromechanical switch double-pole, double-throw7 Two electromechanical switches double-pole, double-throw8 Opto-electronic position transmitter			
			b	b Protection 55 Weatherproof 57 Explosion-proof and weatherproof (ATEX) 58 Intrinsically safe and weatherproof (ATEX) Without indication, the instrument is explosion-proof and weatherproof.			
					с	 Additional Switch (if any), for 496-8 Model only 1 One electromechanical switch single-pole, double-throw 2 Two electromechanical switches single-pole, double-throw 4 One proximity detector switch 5 Two proximity detector switches 6 One electromechanical switch double-pole, double-throw 7 Two electromechanical switches double-pole, double-throw 7 Two electromechanical switches double-pole, double-throw must be a straight to a straight	
496	-	1 2 4 5 6 7 8	55 57 58	/	1 2 4 5 6 7	Note: Among the numerous combinations mentioned above, some may not be available or have a level of protection conforming to all the standards. Consult GE Energy for confirmation.	



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