

BUSwitch™ Valve Control and Monitoring System

The Flowserve BUSwitch™ enables control and monitoring of automated on / off quarter-turn valves through Foundation Fieldbus technology. Features include:

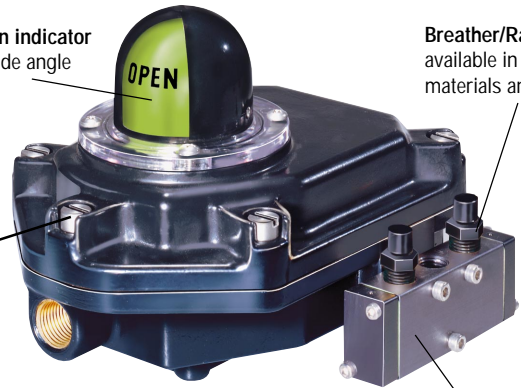
- A corrosion resistant hazardous location housing.
- Open-Close control utilizing an integrated solenoid valve with internal pilot valve for corrosion resistance and long life.
- Open-Close verification both locally (LED and Pharos dome) and remotely through bus communication.
- Preventative maintenance function allows user to prescribe number of cycles to alarm for seal leakage checks or valve stem packing adjustment.
- Time-out alarm function (predictive maintenance) provides analysis comparison of every stroke. When stroke time exceeds limit established during bench test, alarm is activated.
- Odometer function monitors lifetime stroke count.



UltraDome visual position indicator provides high contrast wide angle viewing of valve position.

Breather/Raincap available in various materials and styles.

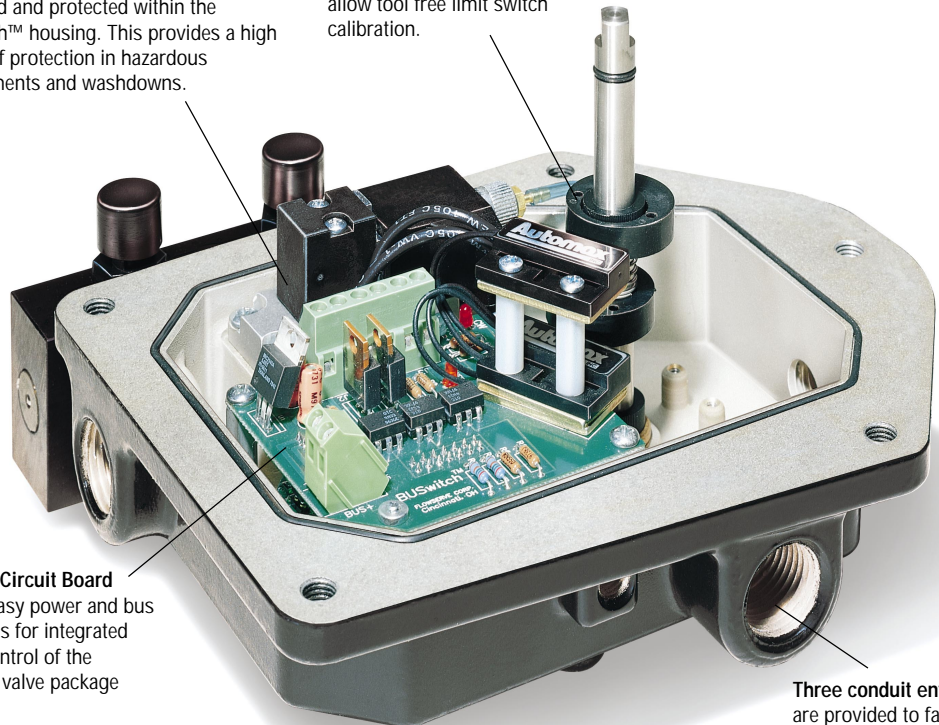
Captive, stainless steel cover screws.



Valve Body available in 3-way and 4-way configurations.

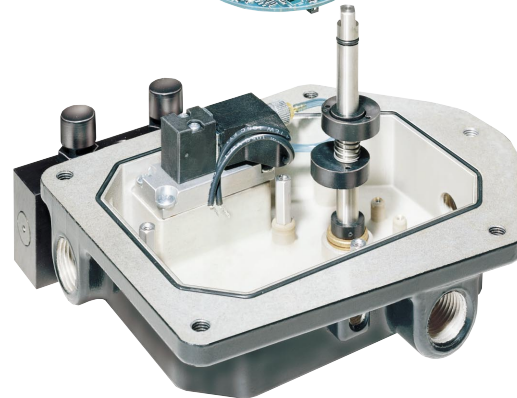
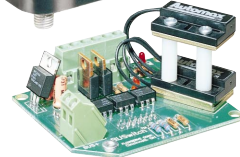
Internal Pilot Solenoid Coil offers the advantage of having the solenoid coil contained and protected within the BUSwitch™ housing. This provides a high degree of protection in hazardous environments and washdowns.

Quick-set spring loaded cams are extra wide and splined to allow tool free limit switch calibration.



Electronic Circuit Board Provides easy power and bus connections for integrated discrete control of the automated valve package

Three conduit entries, are provided to facilitate easy field wiring.



The Flowserve Corporation, being a leader in valve automation and control technology, has taken the next step into the future. We are introducing BUSwitch™, a new intelligent valve automation package featuring Foundation™ Fieldbus compatibility.

The BUSwitch™ electronics provide a gateway to Foundation™ Fieldbus networks allowing seamless integration of the limit switches and solenoid valve. Integral BUSwitch™ functions assist the user with predictive and preventative maintenance.

The BUSwitch™ is connected to the Foundation™ Fieldbus Network through a 2 point terminal block. This interface to the Fieldbus line is made through a Medium Attachment Unit (MAU) that conforms to the SP50 Physical Layer Standard (H1 speed - 31.25 kb/s).

How To Order (Select from each column)

Model	Visual Indicator	Switches	Internal Pilot Solenoid Valve	Spool Valve Configuration	Shafts and Coatings	External Pneumatics	External Manual Override Options		
BF	U - UltraDome Indicator	R4 - (2) SPST Proximity Reed Switch	0G - 24 VDC (2Watt) - Internal	0 - None	P - Polyester Powder Coating and Standard Shaft	R - Thermo Plastic rain caps	Blank - None		
	C - Pharos 90° 3-way		0J - 24 VDC Low Power (0.67 Watt)-Internal	1 - 3 Way Aluminum				E - White Epoxy Coating and Standard Shaft	X - Bronze Exhaust Mufflers
	D - Pharos 180° 3-way		2G - 24 VDC external	2 - 3 Way Stainless Steel	N - Polyester Powder Coating and NAMUR Shaft				
	E - Pharos 180° Block Center			3 - 4 Way Aluminum				B - White Epoxy Coating and NAMUR Shaft	
		4 - 4 Way Stainless Steel				M - Momentary Manual Override			
							L - Locking Manual Override		

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