

Accessories



General representation



Fire
Protection

Pneumatic Touch Manual Reset relay

Description

Diaphragm actuated, spring-loaded relay valve, applicable for service on deluge and pre-action valve trims. The relay will vent or pressurize the hydraulic valve's control chamber, in response to pneumatic pressure.

In its "Ready" position, the PTMR is pressurized by pneumatic pressure causing him to be in closed position which prevents draining of the deluge valve's control chamber, keeping the deluge valve closed. Once the deluge valve is pneumatically actuated, the PTMR shifts to its "Open" position, allowing draining of the control chamber and latching open the deluge valve. Manual resetting is accomplished by "touch" - holding the finger on the air outlet port and the valve is reset to close & stand-by position.

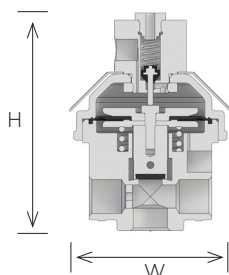
Certification & Compliance

FM Approval (when installed on OCV 68F control valves)



Features & Benefits

- Extremely large water passages enable fast response
- Tough and durable construction
- Simple and easy to operate

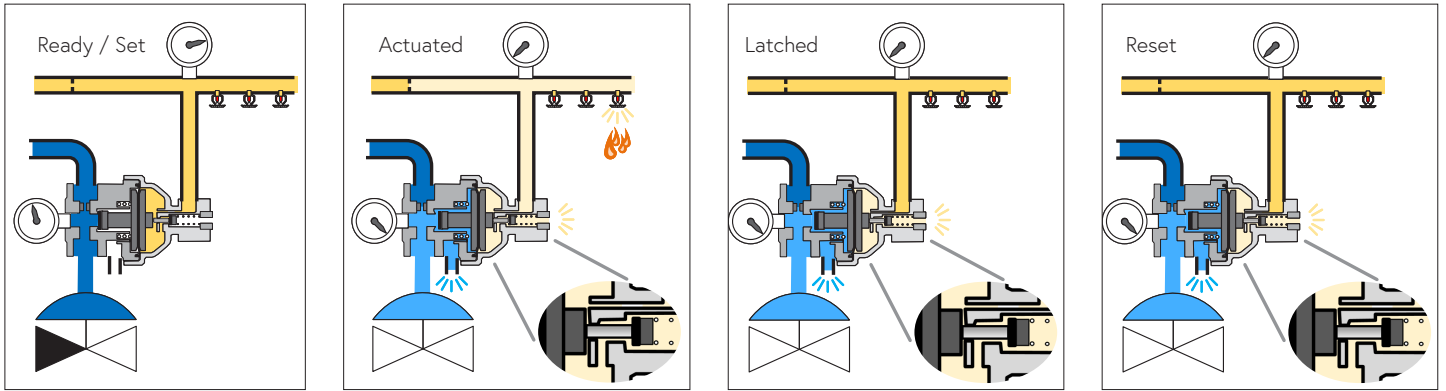


Technical Specifications

General		
Working Pressure Rating	25 bar / 365 psi	
FM Approved Max. Working Pressure	20.7 bar / 300 psi	
Working Temperature	80°C Max / 175°F Max	
Weight	1.8 kg / 3.96 lbs	
Materials	Standard	Optional*
Body & Bonnet	Brass	SST 316
Internal Parts	Brass, PTFE	SST 316, PTFE
Spring	Stainless Steel	SST 316
Elastomers	NR, EPDM, NBR	EPDM, NBR
Port	Size	Connection
I	1/2" NPSC	Water inlet
O	1/2" NPSC	Water outlet
S	1/4" NPSM	Air inlet
Red		Air outlet
Spring Model	Pressure Source	
113	Water	
41	Air	
Dimensions		
H (Height) max	121 mm / 4.75"	
W (Width)	90 mm / 3.5"	

* Other materials available upon request. Minimum quantities may apply.

Operation



Design Data

Working Pressure	
Upstream supply pressure (Water inline pressure)	Pilot-line pressure [$\pm 10\%$] (Pneumatic pressure)
230-300psi (16-20.7bar)	43psi (3bar)
<230psi (3-16bar)	≥ 35 psi (2.4bar)

Pilot-line pressure Vs. Upstream supply pressure chart

