

Technical data sheet

F7150VIC



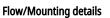


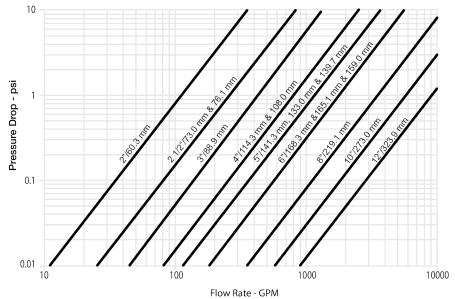
Technical data

Functional data	Valve Size	6" [150]
	Fluid	chilled or hot water, up to 60% glycol
	Fluid Temp Range (water)	-22250°F [-30120°C]
	Body Pressure Rating	ANSI Class Grooved AWWA, 300 psi
	Close-off pressure ∆ps	200 psi
	Servicing	maintenance-free
	Rangeability Sv	100:1
	Flow Pattern	3-way Mixing/Diverting
	Leakage rate	0%
	Controllable flow range	90° rotation
	Cv	1800
	ANSI Class	Grooved AWWA
	Body pressure rating note	300 psi
	Maximum Velocity	20 FPS
Materials	Valve body	Ductile cast iron ASTM A536
	Body finish	black alkyd enamel
	Stem seal	fiberglass with TFE lining
	Seat	EPDM
	End fitting	grooved ANSI/AWWA (c606)
	Disc	electroless nickel coated ductile iron
Suitable actuators	Non-Spring	SY4
		PRB(X)



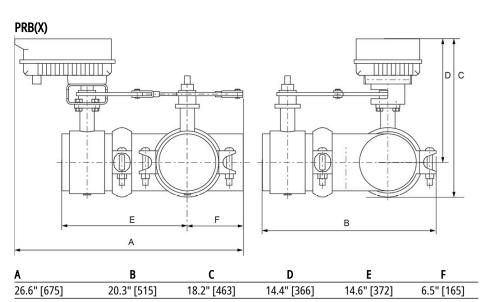




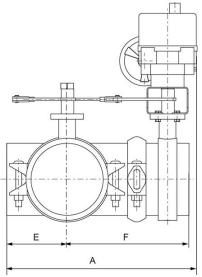


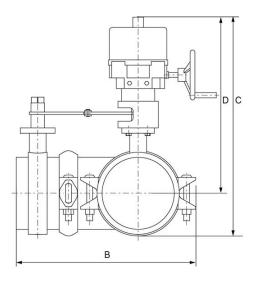
Dimensions

Dimensional drawings



SY4-6







Technical o	lata sheet			F7150VIC	
A	В	С	D	E	F
22.6" [573]	20.3" [515]	27.0" [686]	23.2" [590]	14.6" [372]	6.5" [165]



Modulating, Non Fail-Safe, 24...240 V, NEMA 4X with BACnet

PRXUP-MFT-T





Technical data

Electrical data	Nominal voltage	AC 24240 V / DC 24125 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	20 W
	Power consumption in rest position	6 W
	Transformer sizing	20 VA @ AC/DC 24 V (class 2 power source), 23 VA @ AC/DC 120 V, 52 VA @ AC 230 V
	Auxiliary switch	2 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, one set at 10°, one adjustable 090°
	Switching capacity auxiliary switch	3 A resistive (0.5 A inductive) @ AC 250 V
	Electrical Connection	Terminal blocks, (PE) Ground-Screw
	Overload Protection	electronic thoughout 090° rotation
Functional data	Communicative control	BACnet MS/TP Modbus RTU MP-Bus
	Operating range Y	210 V
	Operating range Y note	420 mA
	Input Impedance	100 kΩ for 210 V (0.1 mA), 500 Ω for 420 mA, 1500 Ω for On/Off
	Operating range Y variable	Start point 0.530 V End point 2.532 V
	Options positioning signal	variable (VDC, on/off, floating point)
	Position feedback U	210 V
	Position Feedback	210 V, Max. 0.5 mA, VDC variable
	Position feedback U note	Max. 0.5 mA
	Position feedback U variable	VDC variable
	Direction of motion motor	reversible with app
	Manual override	7 mm hex crank, supplied
	Angle of rotation	90°
	Running Time (Motor)	default 35 s, variable 30120 s
	Running time motor variable	30120 s
	Noise level, motor	68 dB(A)
	Position indication	top mounted domed indicator
	Passive sensor inputs	2x (Pt1000, Ni1000, NTC10k2)
Safety data	Degree of protection IEC/EN	IP66/67
	Degree of protection NEMA/UL	NEMA 4X
	Enclosure	UL Enclosure Type 4X
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU
	Quality Standard	ISO 9001
	Ambient temperature	-22122°F [-3050°C]



BELIMO	Technical data sheet		PRXUP-MFT-T	
	Storage temperature	-40176°F [-4080°C]		
	Ambient humidity	max. 95% r.H., non-condensi	ng	
	Servicing	maintenance-free	maintenance-free	
Weight	Weight	13 lb [5.8 kg]		
Materials	Housing material	Die cast aluminium and plastic casing		
Product features				
Application	PR Series valve actuators are designed with an integrated linkage and visual position indicators. For outdoor applications, the installed valve must be mounted with the actuator at or above horizontal. For indoor applications the actuator can be in any location including directly under the valve.			
Operation	The PR series actuator provides 90° of rotation and a visual indicator shows the position of the valve. The PR Series actuator uses a low power consumption brushless DC motor and is electronically protected against overload. A universal power supply is furnished to connect supply voltage in the range of AC 24240 V and DC 24125 V. Included is a smart heater with thermostat to eliminate condensation. Two auxiliary switches are provided; one set at 10° open and the other is field adjustable. Running time is field adjustable from 30120 seconds by using the Near Field Communication (NFC) app and a smart phone. †Use 60°C/75°C copper wire size range 1228 AWG, stranded or solid. Use flexible metal conduit. Push the listed conduit fitting device over the actuator's cable to butt against the enclosure. Screw in conduit connector. Jacket the actuators input wiring with listed flexible conduit. Properly terminate the conduit in a suitable junction box. Rated impulse Voltage 4000 V. Type of action 1. Control pollution degree 3.			
Accessories				
Gateways	Description		Туре	
	Gateway MP to BACnet MS/TP Gateway MP to LonWorks Gateway MP to Modbus RTU		UK24BAC UK24LON UK24MOD	
Service tools	Description		Туре	
	Connection cable 10 ft [3 m], A: RJ11 (connection	6/4 ZTH EU, B: 3-pin Weidmüller and supply	ZK4-GEN	
	Service Tool, with ZIP-USB function, for Belimo actuators, VAV controller and	or parametrisable and communicative HVAC performance devices	ZTH US	
Electrical installation				
	Meets cULus requirements without t	he need of an electrical ground connection.		

(**UP**) Universal Power Supply (UP) models can be supplied with 24 V up to 240 V.

A Disconnect power.

 \bigwedge Provide overload protection and disconnect as required.

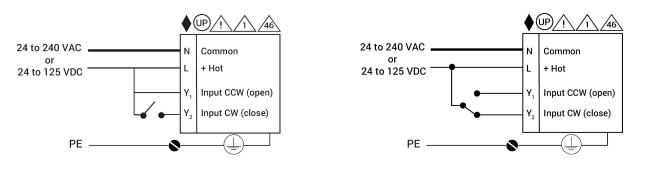
🐴 Two built-in auxiliary switches (2x SPDT), for end position indication, interlock control, fan startup, etc.

 $\sqrt{5}$ Only connect common to negative (-) leg of control circuits.

Actuators may be controlled in parallel. Current draw and input impedance must be observed.

/ Warning! Live Electrical Components!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

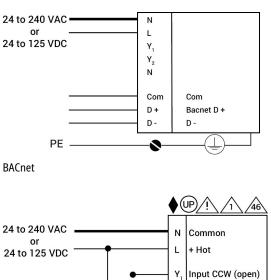




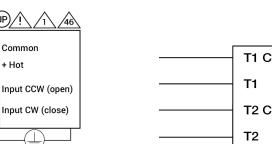
On/Off

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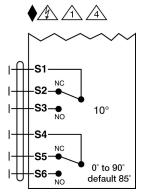
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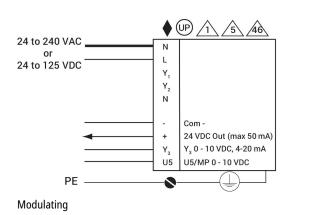


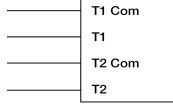
Floating Point



PE

Auxiliary Switches





Temperature Sensors