

Features

- Highly visible dome indicator
- Dual limit switches for remote valve position confirmation
- ISO F03/05/07/10 mounting
- Weatherproof Type 4, 4X and IP67 construction
- Polyester powder coated aluminum housing
- Stainless steel bracket and hardware
- Fits all Valworx brand ball valves with 9mm, 11mm, 14mm, and 17mm square stems
- Manual Limit Switch may work with other brands that utilize ISO mounting
- Lockout/tagout Stainless Steel hand lever with latch locking tab
- Mounting bracket featuring wall mounting holes
- Assembled with hand tools - no machining/tapping required

Applications

Valve position indicators are rotary position devices used for both local and remote indication of valve position. The manual limit switch allows the same valve position indication as an actuated valve.

Not suitable for marine environments.

Specifications

Enclosure Rating: Weatherproof Type 4, 4X and IP67

Operating Temperature: -4 to 185° F (-20 to 85° C)

Visual Indicator: Open-Closed multi-angle top and side view (yellow/red)

Limit Switches: (2) SPDT mechanical 5A 125-250 VAC, UL rated

Electrical Connection: (2) 1/2" female conduit (NPT)

Terminal Strip: (8) Rugged screw terminals

Mounting Hardware: Included when purchased with Valworx Valves

Approvals: CSA C/US, CE (approvals for limit switch only)

Construction

Enclosure	Aluminum with polyester powder coating
Indicator Cover	Polycarbonate
Output Shaft	Stainless steel (Namur)
Seals	NBR
Adjustable Cams	Polycarbonate
Mounting Hardware	Stainless steel



Operation

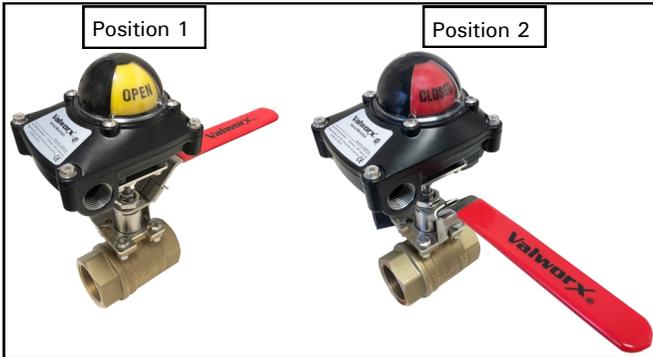
Opening/closing the manual valve turns the input shaft of the monitor and moves the visual indicator from closed to open (reverses to close). In addition, limit switches provide a dry contact output signal in both the open and closed position. This signal is used to remotely confirm the valve position.

Description

Valworx manual limit switch is a rotary position device used to confirm the valve position when mounted to a manual valve. The visual indicator on top of the device can clearly display the valve position for local detection. Mechanical limit switches provide an electrical signal output to PLC's or other devices to confirm both the open and closed valve position.

Ordering Info

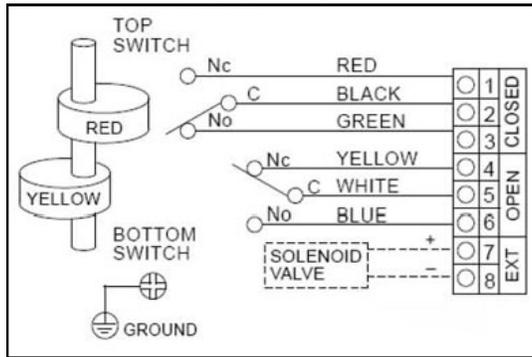
Stock No.	Description
529912	Manual limit switch with F03/F05 pad & 9mm valve stem
529914	Manual limit switch with F03/F05 pad & 11mm valve stem
529915	Manual limit switch with F05/F07 pad & 11mm valve stem
529916	Manual limit switch with F05/F07 pad & 14mm valve stem
529918	Manual limit switch with F07/F10 pad & 17mm valve stem



WALL/BACKET MOUNTING HOLES

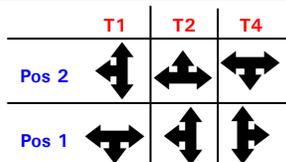


Wiring Diagram



Pictured: Position 1

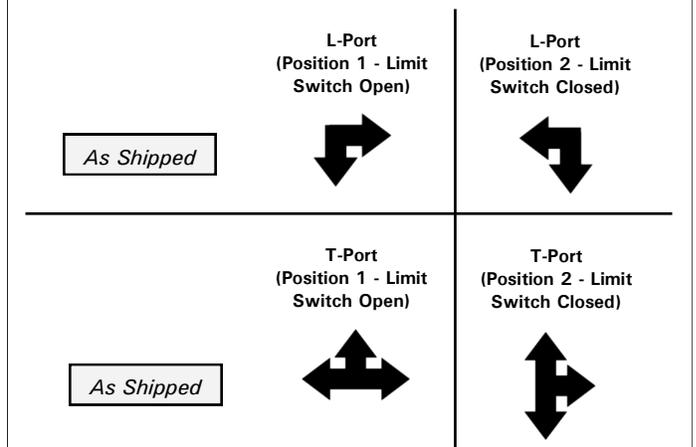
**Note: Installer can easily change flow path for 3-way T-Port from standard shipped position to an alternate Position 1 with limit switch indicating "Open" in the field as required. Position 1 options are shown below. User may remove valve portion only and rotate top male valve stem to desired Position 1. A 90° turn to will result in corresponding Position 2, with limit switch "Closed". Flow path on handle may no longer match.*



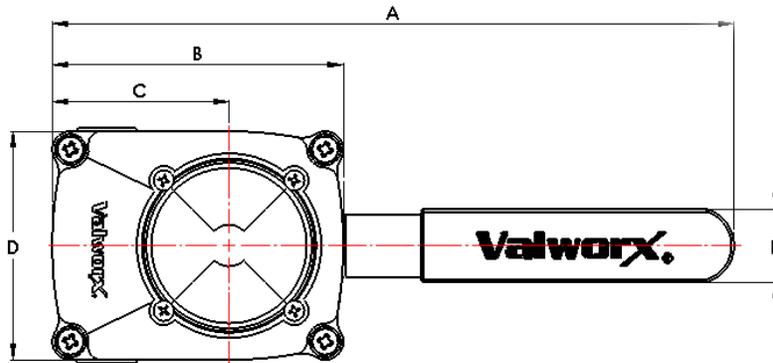
Standard 3-Way (L and T-Port) Flow Paths



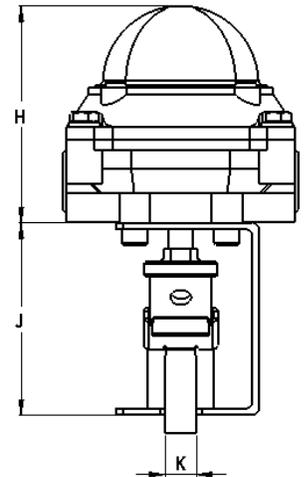
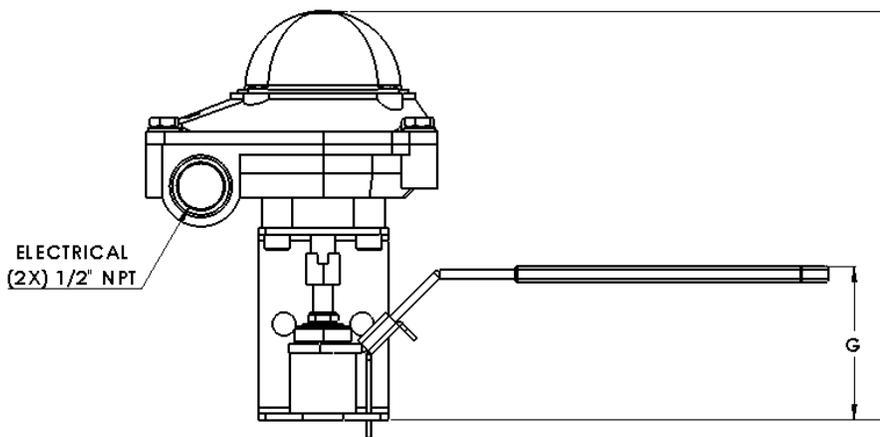
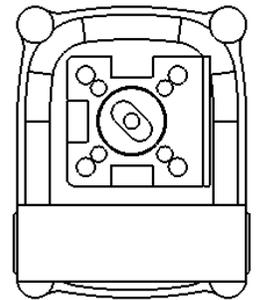
(When viewed from top position shown)



Dimensions: (Limit Switch View) - Valve Stem Sizes 9 to 14mm

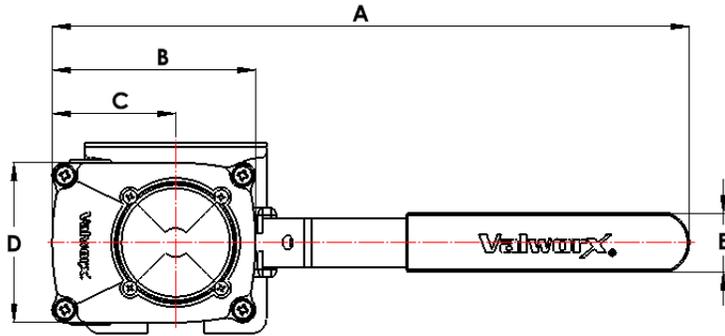


DETAIL BOTTOM VIEW
(handle not shown)

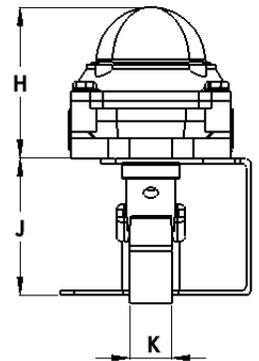
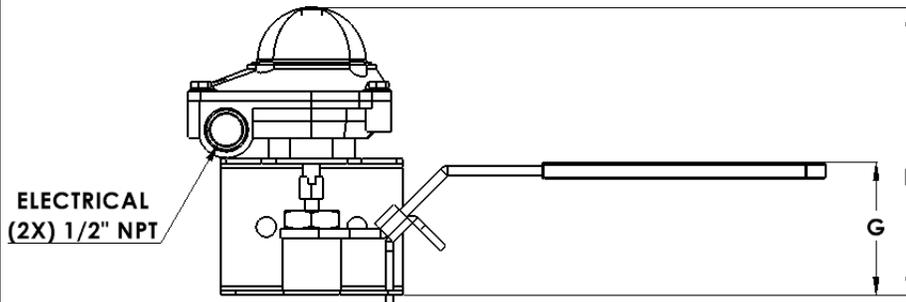
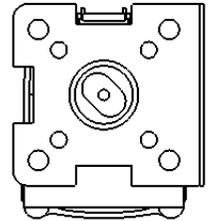


Stock Number		A	B	C	D	E	F	G	H	J	K
529912 Bracket (9 mm stem)	inch	10.4	4.41	2.68	3.46	1.10	6.18	2.32	3.31	2.91	0.47
	mm	263.0	112.0	68.0	88.0	28.0	157.0	59.0	84.0	74.0	12.0
529914 Bracket (11 mm stem)	inch	10.4	4.41	2.68	3.46	1.10	6.18	2.09	3.31	2.91	0.47
	mm	263.0	112.0	68.0	88.0	28.0	157.0	53.0	84.0	74.0	12.0
529915 Bracket (11 mm stem)	inch	10.4	4.41	2.68	3.46	1.10	6.18	2.09	3.31	2.56	0.47
	mm	263.0	112.0	68.0	88.0	28.0	157.0	53.0	84.0	65.0	12.0
529916 Bracket (14 mm stem)	inch	11.6	4.41	2.68	3.46	1.2	5.9	2.2	3.31	2.6	0.47
	mm	294.6	112.0	68.0	88.0	30.0	149.0	55.0	84.0	65.0	12.0

Dimensions: (Limit Switch View) - Valve Stem Size 17mm

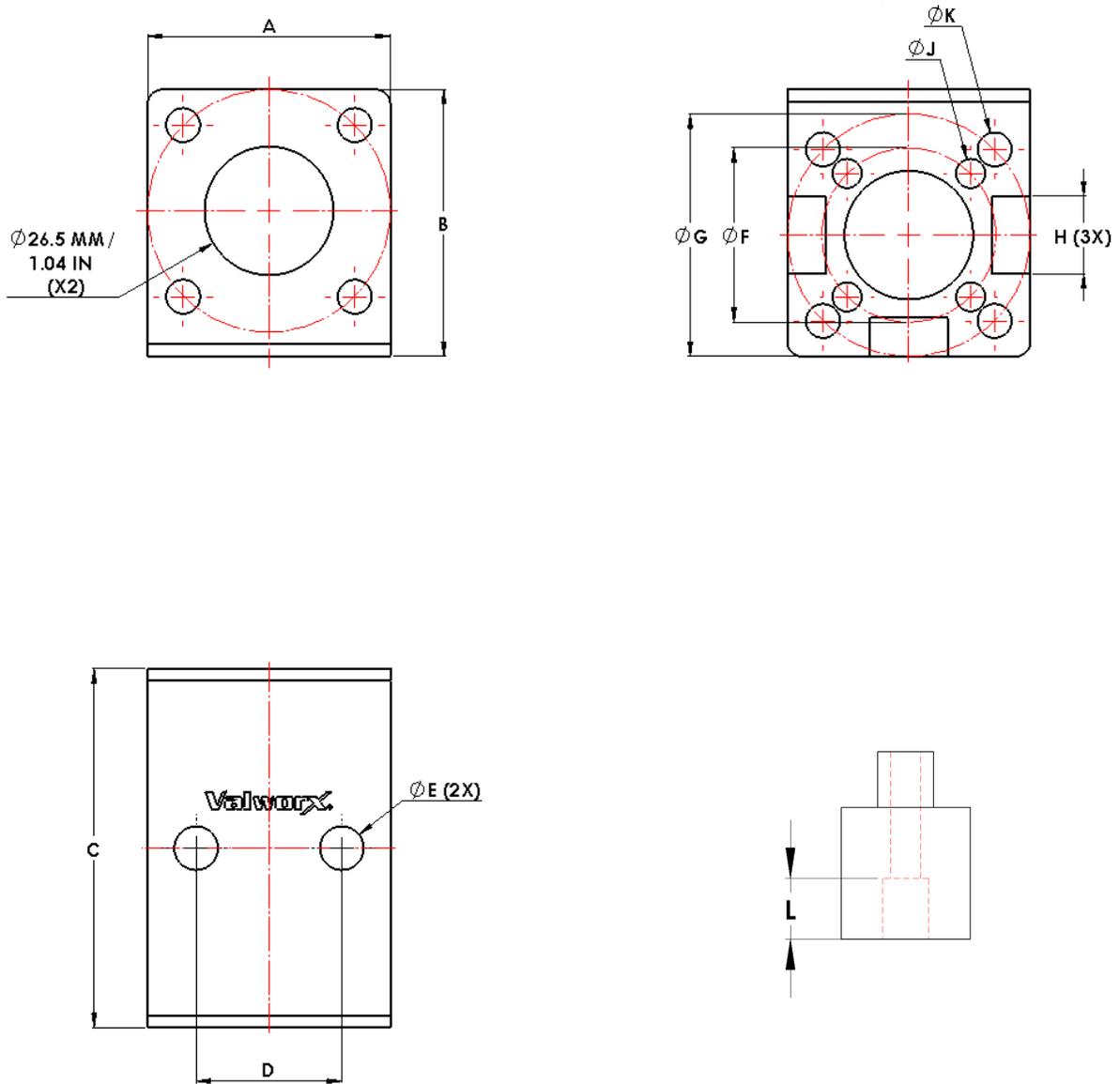


DETAIL BOTTOM VIEW
(handle not shown)



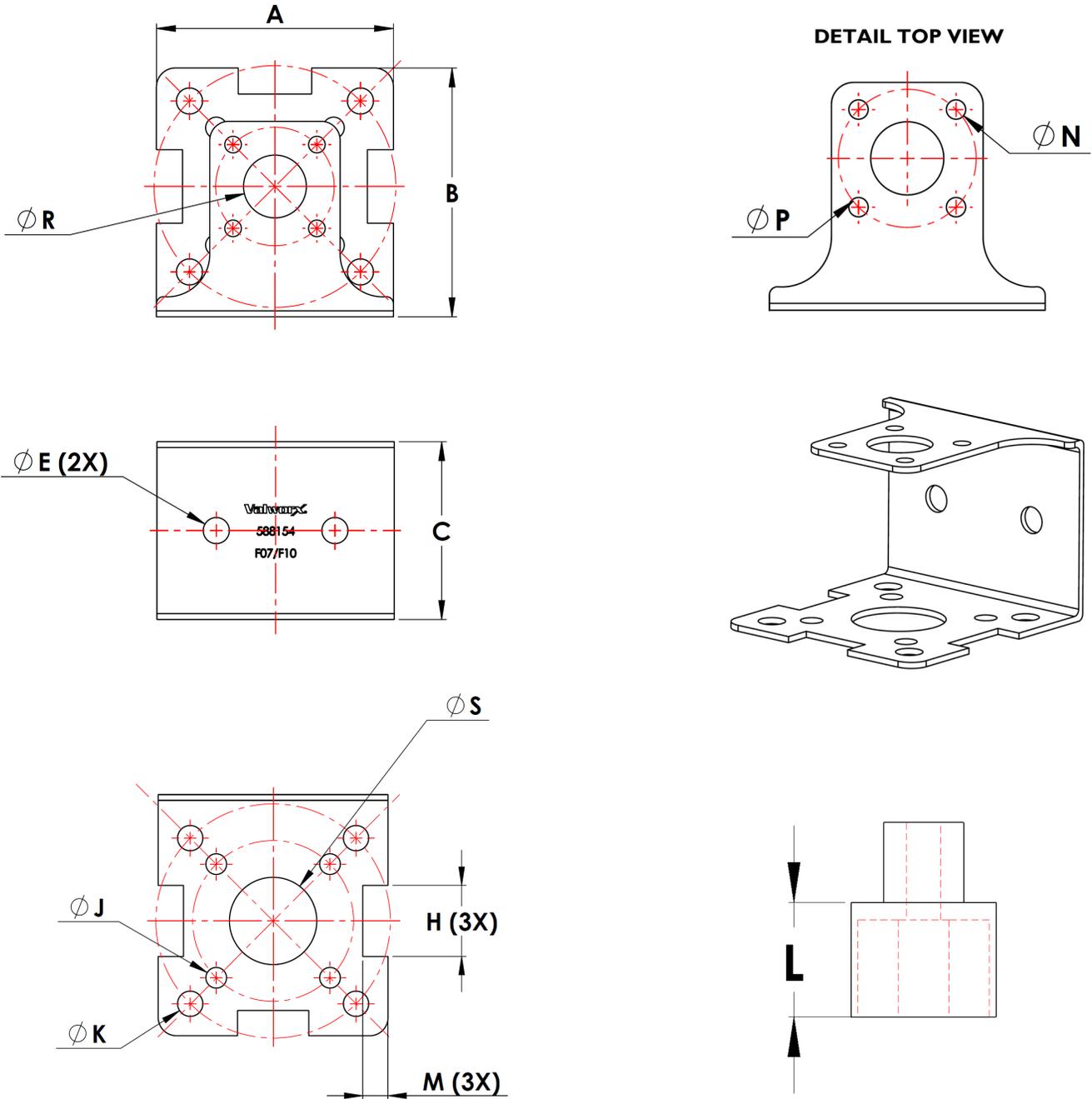
Stock Number		A	B	C	D	E	F	G	H	J	K
529918 Bracket (17 mm stem) ISO F07/F10	inch	13.8	4.41	2.68	3.46	1.26	6.2	2.9	3.31	3.0	3.3
	mm	351.0	112.0	68.0	88.0	32.0	158.5	72.9	84.0	75.5	83.0

Dimensions: (Detailed Bracket View) - Valve Stem Sizes 9 to 14mm



Stock Number		A	B	C	D	E	F	G	H	J	K	L
529912 Bracket (9 mm stem) ISO F03/F05	inch	1.97	2.17	2.91	1.18	0.35	1.42	1.97	0.63	0.24	0.28	0.47
	mm	50.0	55.0	74.0	30.0	9.0	36.0	50.0	16.0	6.0	7.0	12.0
529914 Bracket (11 mm stem) ISO F03/F05	inch	1.97	2.17	2.91	1.18	0.35	1.42	1.97	0.63	0.24	0.28	0.55
	mm	50.0	55.0	74.0	30.0	9.0	36.0	50.0	16.0	6.0	7.0	14.0
529915 Bracket (11 mm stem) ISO F05/F07	inch	2.76	2.95	2.56	1.38	0.35	1.97	2.76	0.91	0.28	0.35	0.55
	mm	70.0	75.0	65.0	35.0	9.0	50.0	70.0	23.0	7.0	9.0	14.0
529916 Bracket (14 mm stem) ISO F05/F07	inch	2.76	2.95	2.56	1.38	0.35	1.97	2.76	0.91	0.28	0.35	0.67
	mm	70.0	75.0	65.0	35.0	9.0	50.0	70.0	23.0	7.0	9.0	17.0

Dimensions: (Detailed Bracket View) - Valve Stem Size 17mm



Stock Number		A	B	C	E	H	J	K	M	N	P	R	S
529918 Bracket (17 mm stem) ISO F07/F10	inch	3.9	4.1	3.0	0.4	1.2	0.4	0.4	0.4	0.3	2.0	1.0	1.5
	mm	100.0	105.0	75.0	11.0	31.0	9.0	11.0	11.0	7.0	50.0	26.5	38.0