EX15837

LISTING No.
7770-2326:0500

LANSDALE® VALVE
MANUFACTURING CORP.

INSTALLATION & MAINTENANCE
INSTRUCTION MANUAL

GROOVED BUTTERFLY VALVE

MODEL LVBG1 2” – 8”

MODEL LVBG3 10” – 12”

LANSDALE VALVE & MANUFACTURING
1040 Broadway
Westville NJ 08093

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FM APPROVED

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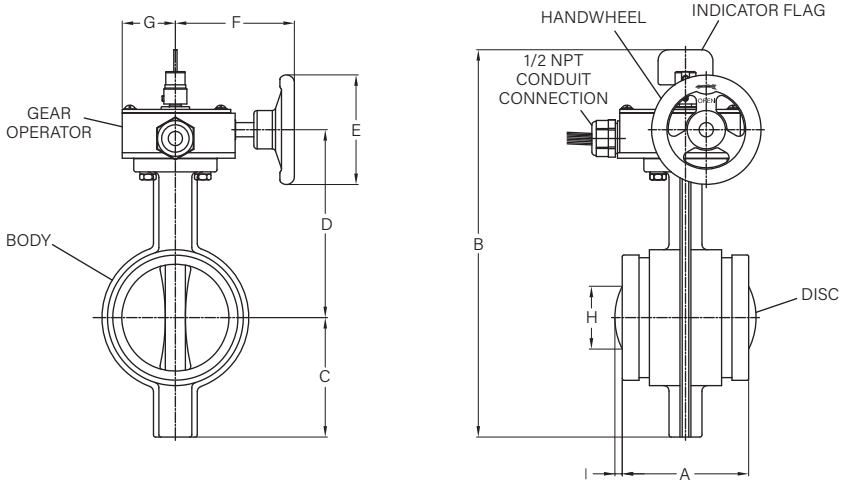
DESCRIPTION

Grooved Butterfly Valve Features:

- UL Listed/FM Approved
- Rated 300 psi
- Prewired Double Tamper Switches
- Ductile Iron Body
- Indoor/Outdoor use
- Flag Type Indicator
- Slow Open/Close
- Use as SHUT OFF Control valve

TECHNICAL DATA



DIMENSIONAL DATA (IN)											
NOMINAL VALVE SIZE INCHES (DN)	PIPE OD	A	B	C	D	E	F	G	H	I	WT (LBS)
2	2.37	3.8	10.63	2.85	4.90	4.92	4.28	1.99	0	0	9.6
2½	2.88	3.8	11.72	3.35	5.5	4.92	4.28	1.99	0	0	11.24
3	3.5	3.8	12.22	3.58	5.76	4.92	4.28	1.99	0	0	12.57
4	4.5	4.54	13.92	4.29	6.75	4.92	4.28	1.99	0	0	15.65
5	5.56	5.21	16	5.16	7.93	5.91	5.79	2.44	0	0	25.8
6	6.63	5.21	17.01	5.71	8.44	5.91	5.79	2.44	0	0	29.32
8	8.63	5.8	19.02	6.69	9.29	8.86	5.79	2.44	5.07	0.95	49.6
10	10.75	6.26	22.46	7.68	11.1	8.86	8.19	2.91	7.21	1.65	73.41
12	12.75	6.5	25.39	9.5	12.2	8.86	8.19	2.91	9.96	2.7	89.29

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INSTALLATION INSTRUCTIONS:

When installing the Lansdale Grooved Butterfly Valve, make sure that all grooves are clean of debris or burns. Install the valve using rigid grooved couplings in accordance with the manufacturers instructions.

Prior to installation of supervisory switches in fire protection systems please read the following: Connect supervisory switch in accordance with N.F.P.A 70 National electrical code.

Refer to the following standards when installing the Lansdale BFV:

NFPA 13: Installation of sprinkler systems

NFPA 13A: Inspection, Testing and Maintenance of sprinkler systems (Chapters 4 & 5)
NFPA 72: Installation, Maintenance and use of protective signaling systems (Section 3-4.2)
NFPA 71: Signaling system for central station service (Section 3-4.4)

Metallic conduit required by NEC for proper grounding. Conduit joints must be sealed with conductive sealant. Install switch in accordance with "National Electrical Code" and/or local ordinance. Assure all devices are properly grounded.

CONNECTION WIRING DIAGRAM

The designer should make certain the valve disc, when fully open, will not interfere with the operation of other system components immediately adjacent to the butterfly valve. The tamper switch is operated by a cam connected to the valve stem. The switch will change position and close within two (2) full turns of the hand wheel from the fully open position. Wiring to the switch is via three color coated wire leads.

1) Switch supervisory normally open

2) Switch (S1) has two #AWG wires per terminal. These permit complete supervision (see diagram below). Second switch (S2) has one #18 AWG wire per terminal. This double circuit provides locations such as an indicating light and an audible alarm in the area of the valve installation.

Switch #1: For connection to the supervisory circuit of a UL Listed alarm control panel.

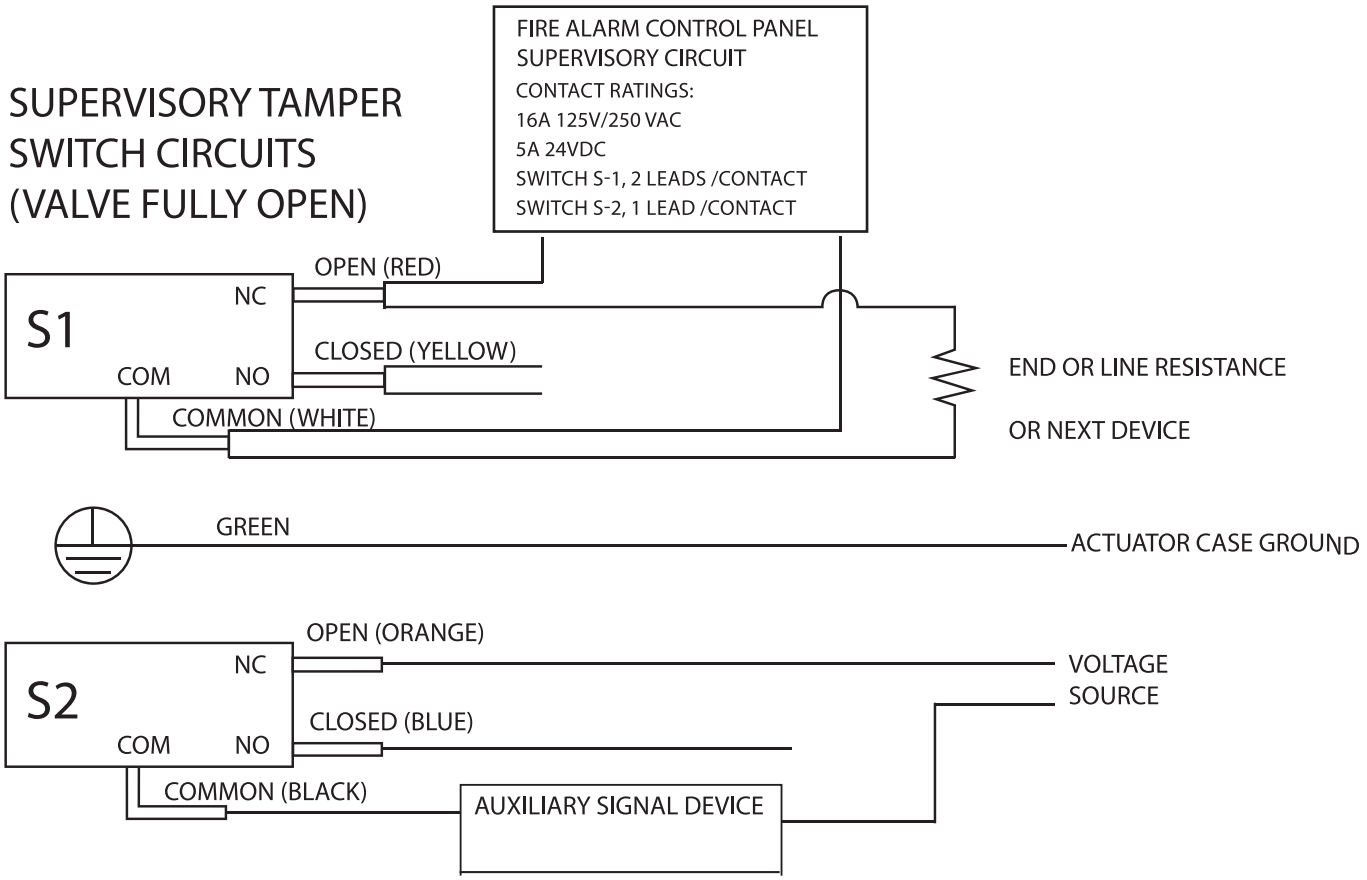
S-1: Normally Closed - 2 Red
Normally Open - 2 Yellow
Common - 2 White

Switch #2: Auxiliary switch, which may connect per authority having jurisdiction (AHJ) to the auxiliary device.

S-2: Normally Closed - 1 Orange
Normally Open - Blue
Common - 1 Black

3) A switch housing ground lead #14 AWG is provided.

MONITOR SWITCH "FOR INDOOR & OUTDOOR



MAINTENANCE

The owner is responsible for maintaining the fire protection system in proper operating condition. Any system maintenance or testing that involves placing a system out of service may eliminate the fire protection that is provided by the fire protection system. Notify any required authorities having jurisdiction and implement appropriate precautions prior to proceeding.

The Lansdale Butterfly Valve shall be given a thorough inspection and test as per the local AHj and. NFPA 13 and 25. Inspect the valve and all components for corrosion, damage, and wear as required. Replace the valve if found to be corroded, damaged, or worn. Increase the frequency of inspections if the valve is exposed to corrosive conditions or chemicals that could impact the valve materials.