**IMO – REV1-510****Installation, Maintenance
& Operating Instructions****POWERBALL 300
LPBT & LPBG SERIES****1" ~ 2 1/2", THREADED
1 1/4"~2 1/2" GROOVED****FEATURES**

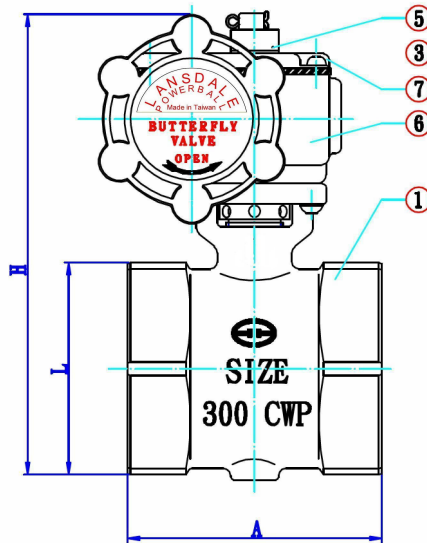
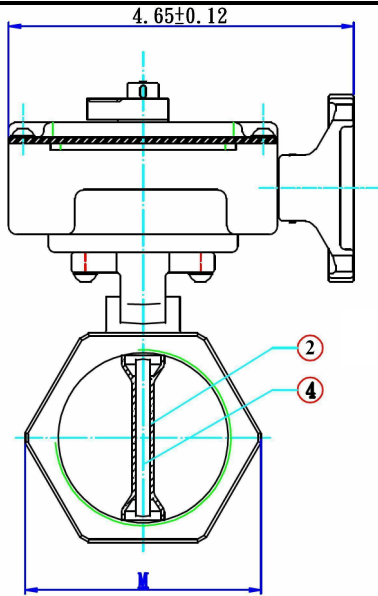
1. All sizes have been UL/FM certified and rated to 300 psi.
2. All valves have an integral pre-wired supervisory tamper switch assembly. The tamper switch signals movement of the valve disc from the full open position, when correctly wired.
3. Switch rating: 10 Amps/115 VAC-60Hz
0.5 Amps/28 VDC
4. All valves are furnished with tamper switch assemblies for indoor and outdoor use.
5. A 1/4 turn valve with slow closing and opening will prevent water hammer and shock from damaging the fire protection system.

MODEL	LPBT	LPBG
TYPE	Threaded end	Grooved end
RATING	300 PSI PN20 2065KPa	300 PSI PN20 2065KPa
SIZE	1", 1-1/4", 1-1/2", 2", 2-1/2"	1-1/4", 1-1/2", 2", 2-1/2"

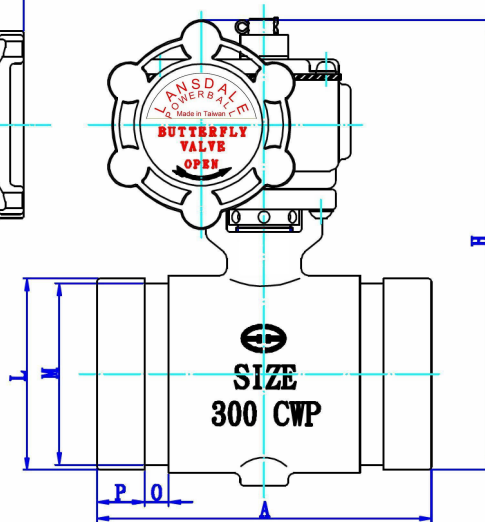
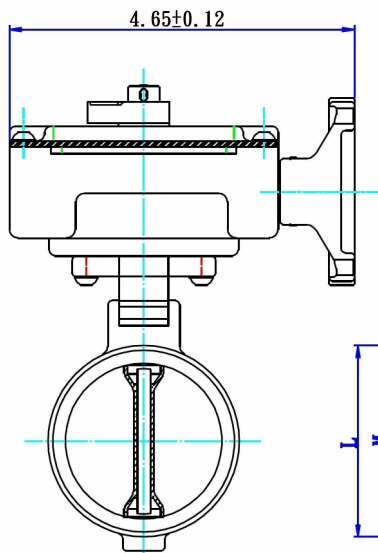
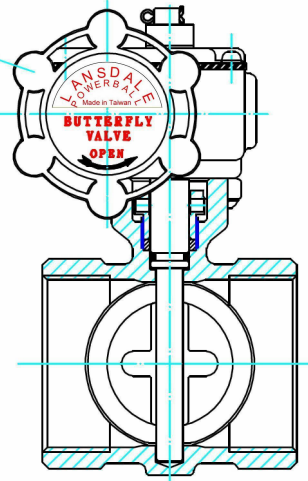
INSTALLATION

1. The valve can be installed in any orientation in a piping system with standard ASME B1.20.1 NPT or standard roll or cut grooved pipe.
2. When threading to pipe, apply adequate pipe sealants, use a wrench to clamp on the hexagon end of the valve.
3. The tamper has two switches: switch-1 has dual leads on the terminals. This switch is used for connection of the supervisory circuit of a listed fire alarm control panel. Switch 2 has a single lead and used for connection of auxiliary equipment. All the unused wires need to be capped with lead nuts and tucked into a junction box. All connections need to be reviewed and approved by the AHJ.
4. A No.14 green wire is fixed inside the switch housing. It is provided as a ground for the housing.
5. Installation must comply with NFPA 13 and NFPA 72.
6. The valves are intended for use with ANSI B36.10 Schedule 40 and/or Schedule 80 pipe, sizes 1", 1-1/4", 1-1/2", 2" and 2-1/2"

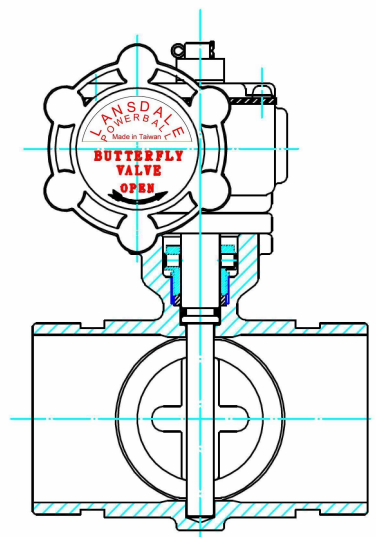
POWERBALL 300



LPBT (Threaded Ends)



LPBG (Grooved Ends)



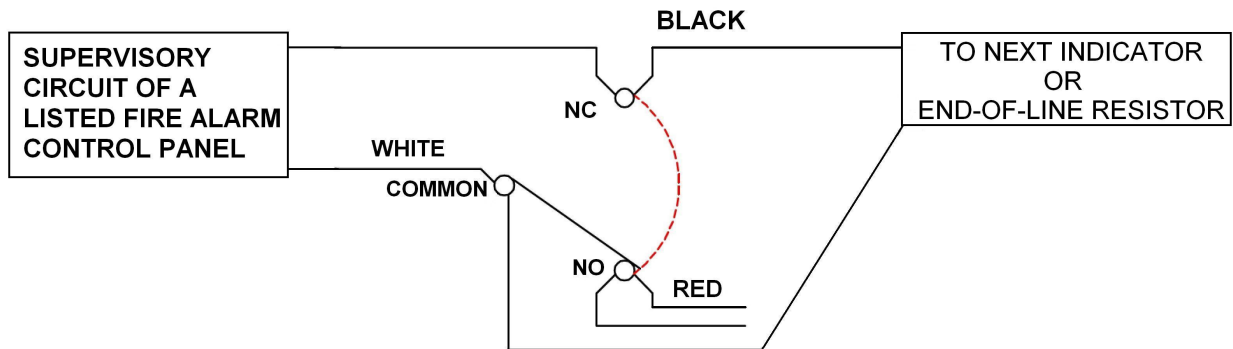
MAIN DIMENSIONS — UNIT: INCHES						MATERIAL LIST		
LPBT (Threaded Ends)						NO.	NAME	MATERIAL
SIZE	1"	1-1/4"	1-1/2"	2"	2-1/2"	1	BODY	BRONZE ASTM 584 C83600
A	2.13	2.63	2.87	3.25	4.49	2	DISC	SS304
H	4.94	5.13	5.59	6.13	6.58	3	HANDWHEEL	ASTM A216 WCB
L	1.56	1.94	2.19	2.76	3.41	4	SEAT	ASTM D2000 VITON
M	1.75	2.17	2.37	3.11	3.78	5	INDICATOR	POWDER METAL FD0205 95HT
LPBG (Grooved Ends)						6	HOUSING	BRASS ASTM B16 C36000
SIZE	1"	1-1/4"	1-1/2"	2"	2-1/2"	7	COVER	BRASS ASTM B16 C36000
A		3.86	4.02	4.09	4.49	NOTE: ● Grooved ends to AWWA C606 for steel pipe. ● Packing Gland with Adjustable Glands shall be accessible for tightening stem seals without the disassembly of the valve or operator parts U.S. Patented 6629.683.B2		
H		5.20	5.47	6.07	6.58			
P		0.63	0.63	0.63	0.63			
O		0.31	0.31	0.31	0.31			
M		1.54	1.78	2.25	2.72			
L		1.67	1.90	2.37	2.87			

POWERBALL 300

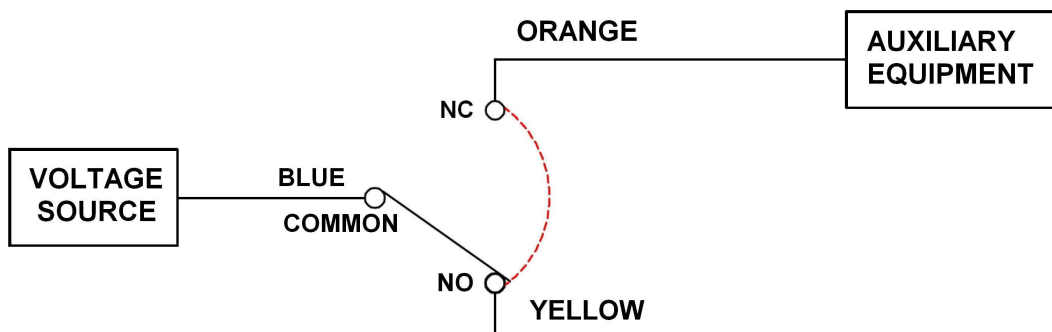
WIRING DIAGRAM

SWITCH SHOWN POSITION WITH VALVE IN FULL OPEN

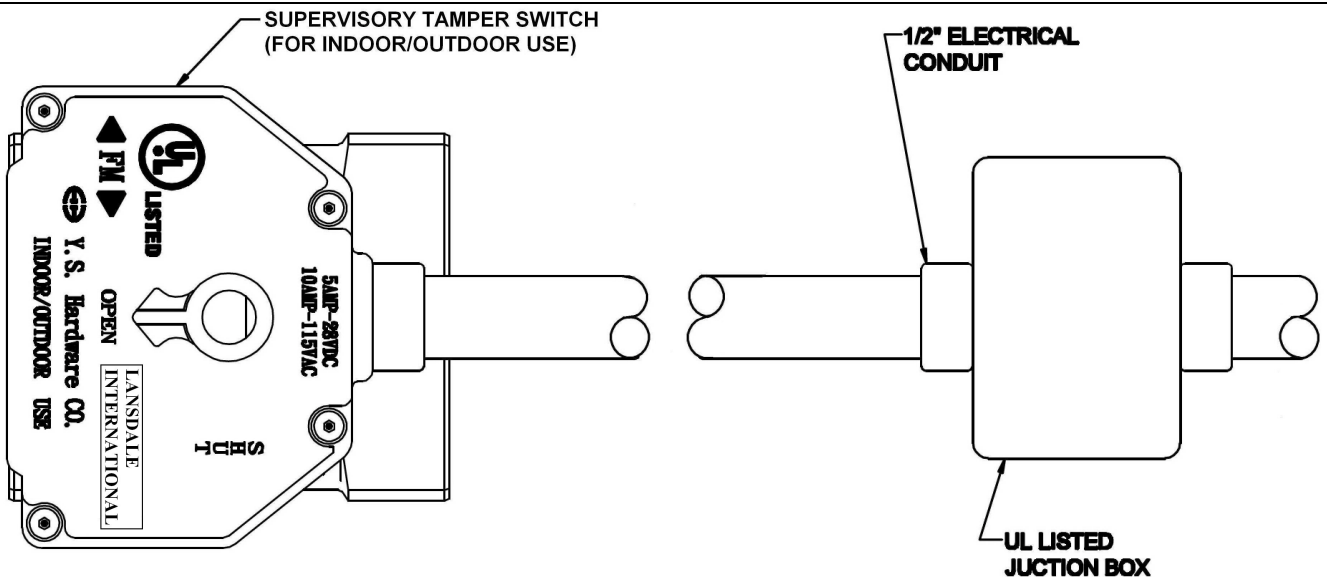
SWITCH 1 : DUAL LEADS SOLDERED TO SWITCH TABS



SWITCH 2 : SINGLE LEADS SOLDERED TO SWITCH TABS



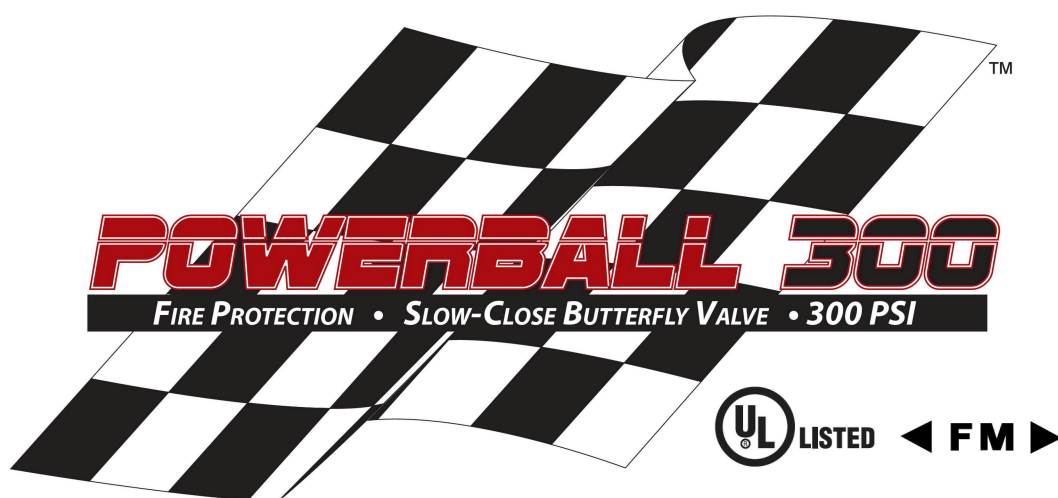
Green wire is provided as ground for the switch housing.
Switch rating: 10 Amps/ 115 VAC-60Hz, 0.5 Amps/28 VDC



Installation must comply with NFPA 13 and NFPA 72.

Cap unused leads with wire nuts and tuck into a junction box (not provided).

Agent:



LANSDALE
VALVE & MANUFACTURING