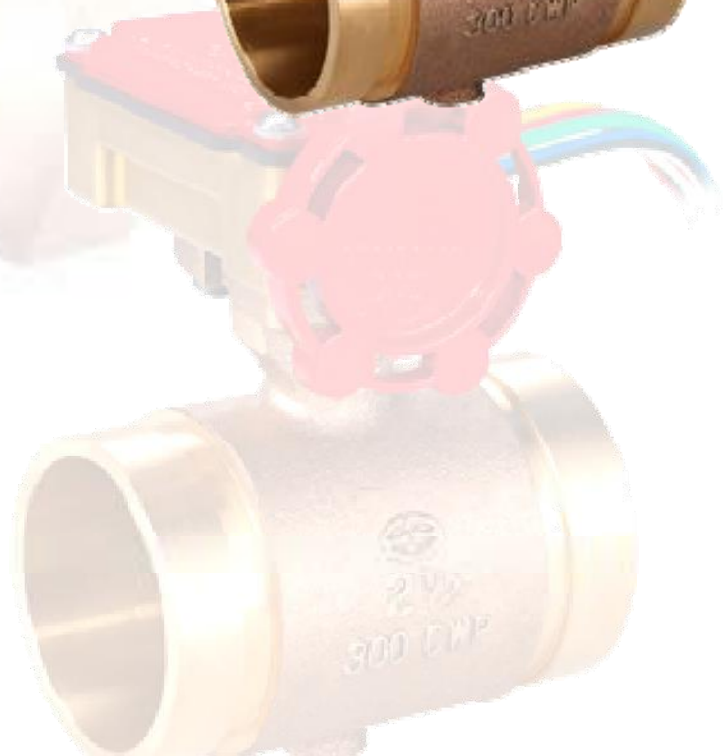
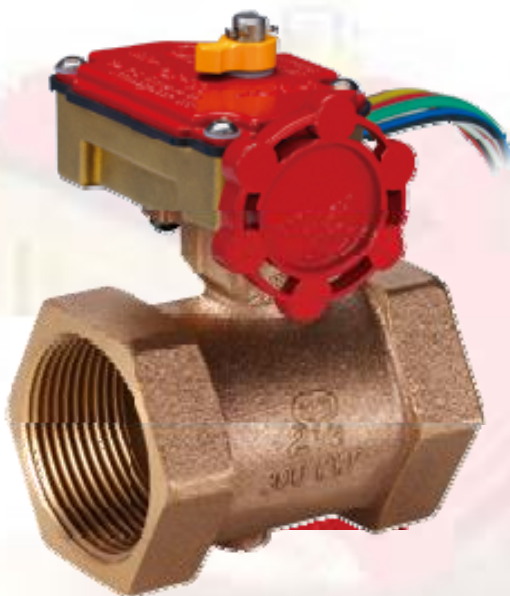


BUTTERFLY VALVE SCREWED (BRASS)



Installation, Maintenance & Operating Instructions



FIRE PROTECTION SLOW-CLOSE BUTTERFLY VALVE

IMO

Installation, Maintenance &
Operating Instructions



2811A & 2812A

1" ~ 2 1/2", 300 PSI

*Read these entire instructions carefully before
installation or servicing.*

FEATURES

1. All sizes have been UL/C-UL/FM certified and rated to 300 psi.
2. All valves are mounted an integral pre-wired supervisory tamper switch assembly. The tamper switch signals movement of the valve disc from the full open position, when mounted on any slow-close valve and wired.
3. Switch rating: 10.1Amps-125/250VAC-60Hz
Actual switch application 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 to prevent water hammer and shock in the fire protection on service.
1. The valve can be installed in any orientation in a piping system with standard ASME B1.20.1 NPT (PT available upon request) or standard roll or cut grooved pipe.
2. When threading to pipe, apply adequate pipe sealants, use a wrench to cramp on the hexagon end of the valve.
3. The tamper switch have 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 jurisdictional authorities.
4. A No. 14 green wire is fixed in inner of 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 pipes, sizes 1", 1-1/4", 1-1/2", 2" and 2-1/2".

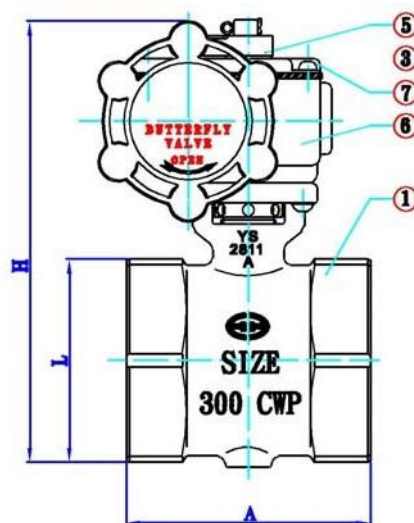
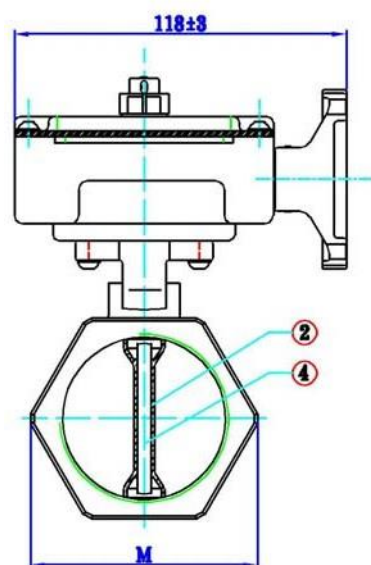
MODEL	2811A	2812A
TYPE	Threaded end	Grooved end
RATING	300 PSI PN20 2065KPa	300 PSI PN20 2065KPa
SIZE	1", 1-1/4", 1-1/2", 2"	1-1/4", 1-1/2", 2"

INSTALLATION

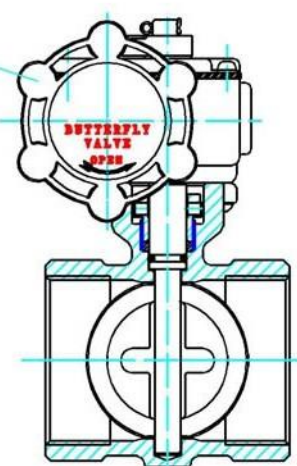
NOTE: 1. ALL REPLACEMENT PARTS MUST BE OBTAINED FROM THE MANUFACTURER TO ASSURE PROPER OPERATION OF THE VALVE, AND TO MAINTAIN APPROVAL OF THE DEVICE.

2. YS-2811A 1" has UL approval only.

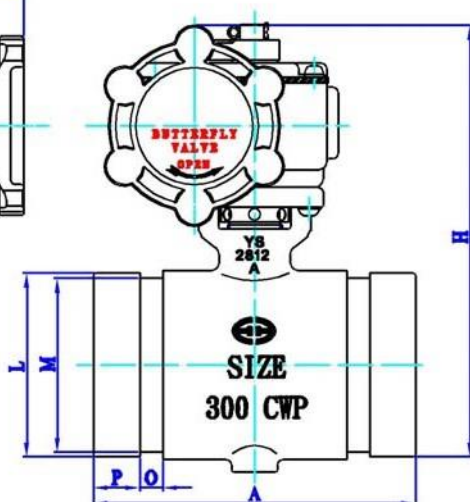
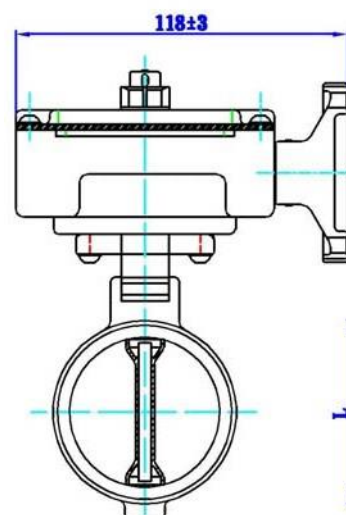
BUTTERFLY VALVE



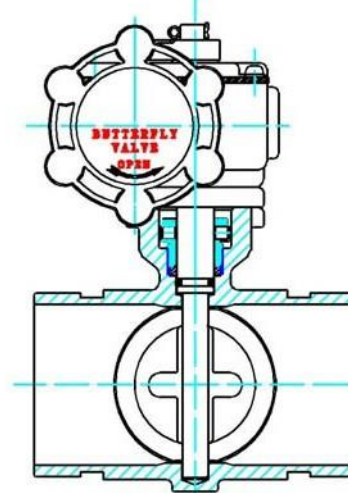
2811A(Threaded)



SIZE:1",1-1/4",1-1/2",2",2-1/2"



2812A(Grooved)



SIZE:1-1/4",1-1/2",2",2-1/2"

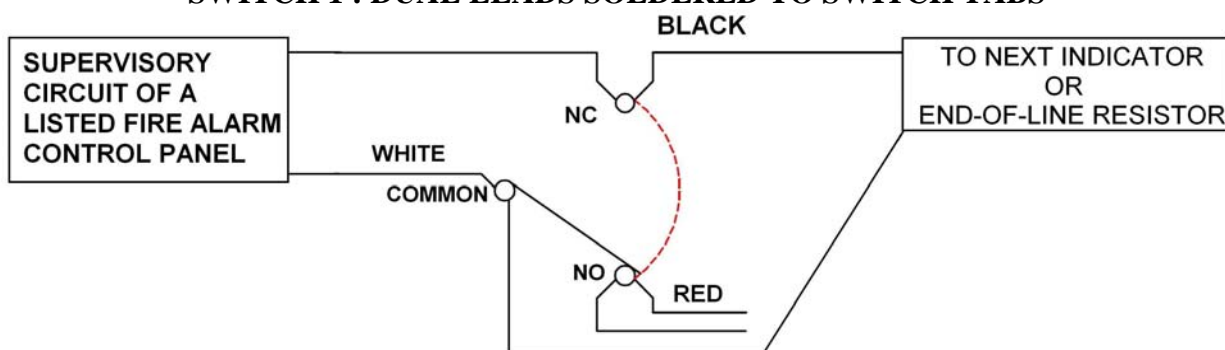
MAIN DIMENSIONS — UNIT:MM						MATERIAL LIST		
2811A (Threaded Ends)						NO.	NAME	MATERIAL
SIZE	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm		1	BODY	BRONZE ASTM 584 C83600 / BRASS ASTM 584 C87850
A	54	66.7	73	82.6		2	DISC	SS304 SHEET STAMPING
H	125.4	130.2	142.1	155.6		3	HANDWHEEL	ASTM A216 WCB
L	39.7	49.2	55.6	70		4	SEAT	ASTM D2000 VITON / EPDM
M	44.5	55	60.3	79		5	INDICATOR	POWDER METAL FD0205 95HT
2812A (Grooved Ends)						6	HOUSING	FORGED BRASS JIS C3771 (REF. ASTM C37700)
SIZE		1-1/4"	1-1/2"	2"		7	COVER	FORGED BRASS JIS C3771 (REF. ASTM C37700)
A		98	102	104		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		132.2	138.9	154.2				
P		15.88	15.88	15.88				
O		7.95	7.95	7.95				
M		38.99	45.09	57.15				
L		42.4	48.3	60.3				

BUTTERFLY VALVE

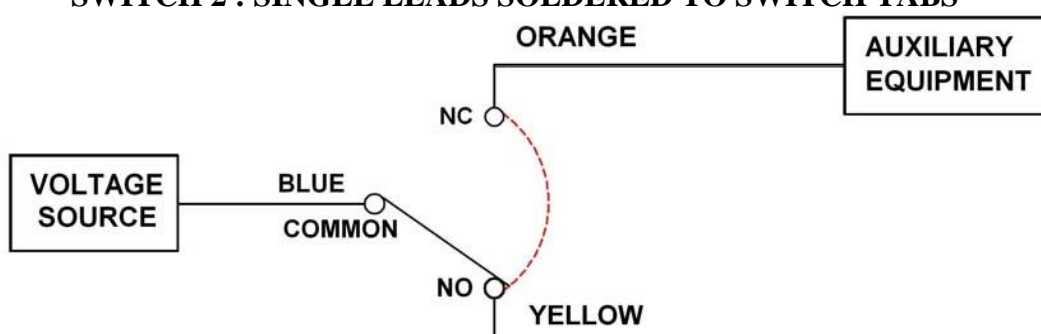
WIRING DIAGRAM

SWITCH SHOWN POSITION WITH VALVE IN FULL OPEN

SWITCH 1 : DUAL LEADS SOLDERED TO SWITCH TABS



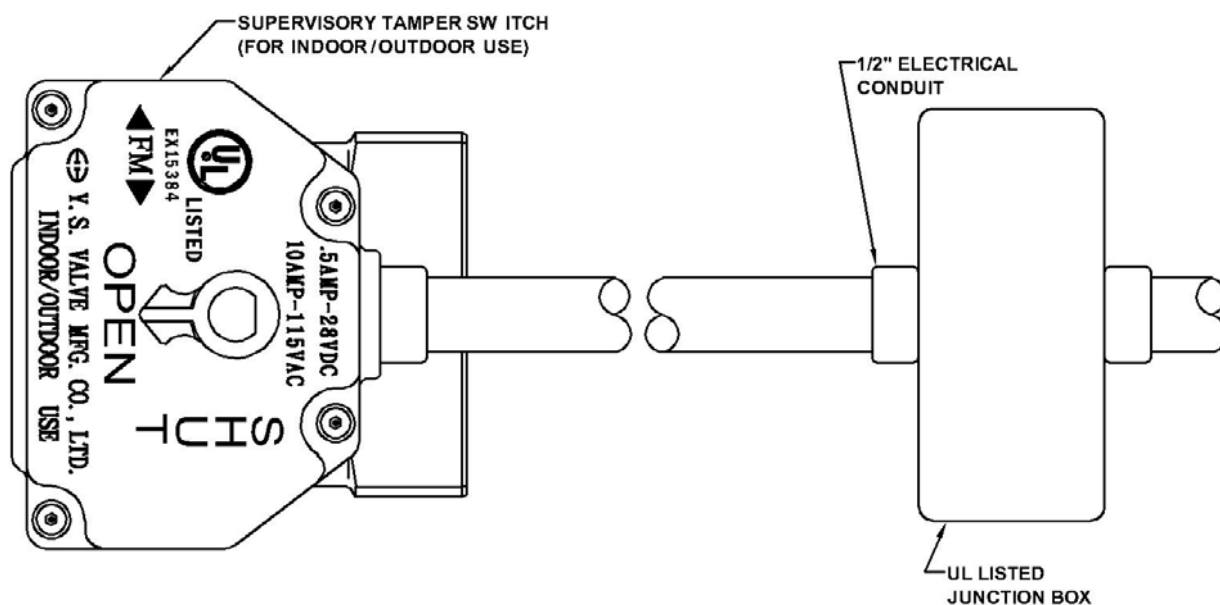
SWITCH 2 : SINGLE LEADS SOLDERED TO SWITCH TABS



Green wire is provided as ground for the switch housing.

Switch rating: 10.1Amps-125/250VAC-60Hz

Actual switch application 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).