

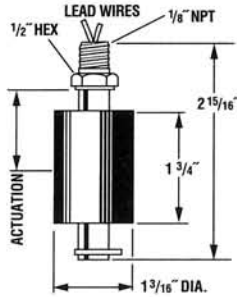
# 4500 SINGLE LEVEL

## METAL STEM

Brass, 316 SST and BUNA N 1/8" NPT



### DIMENSIONAL DATA:



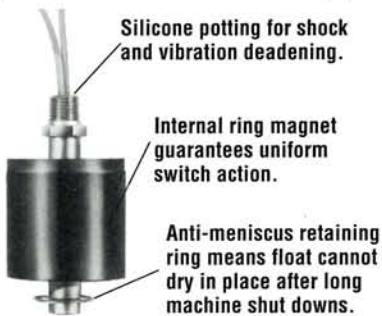
### Specifications:

| P/N   | Mounting                      | Stem                         | Float                                 | Switch SPST<br><i>See Note 13</i> | Lead Wires   | Operating Temp.         | Operating Pressure |
|-------|-------------------------------|------------------------------|---------------------------------------|-----------------------------------|--|-------------------------|--------------------|
| 41101 | 1/8" NPT<br><i>See Note 6</i> | Brass                        | BUNA N<br><i>See Notes 3 &amp; 11</i> | 20VA                              | 18 AWG Polymeric<br>24" Long<br><i>See Notes 1 &amp; 2</i> | -40° to +180°F in Water | 150 PSIG Max.      |
| 41102 |                               | Brass                        |                                       | 100VA                             |  |                         |                    |
| 41103 |                               | 316 SST<br><i>See Note 8</i> |                                       | 20VA                              |  | -40° to +230°F in Oils  |                    |
| 41104 |                               | 316 SST<br><i>See Note 8</i> |                                       | 100VA                             |  |                         |                    |

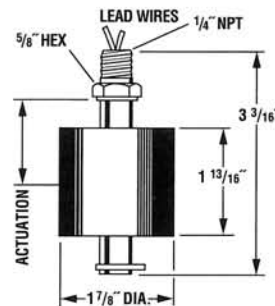
# 4600 SINGLE LEVEL

## METAL STEM

Brass, 316 SST and BUNA N 1/4" NPT



### DIMENSIONAL DATA:



### Specifications:

| P/N   | Mounting                      | Stem                         | Float                                 | Switch SPST<br><i>See Note 13</i> | Lead Wires   | Operating Temp.         | Operating Pressure |
|-------|-------------------------------|------------------------------|---------------------------------------|-----------------------------------|--|-------------------------|--------------------|
| 41201 | 1/4" NPT<br><i>See Note 6</i> | Brass                        | BUNA N<br><i>See Notes 3 &amp; 11</i> | 20VA                              | 18 AWG Polymeric<br>24" Long<br><i>See Notes 1 &amp; 2</i> | -40° to +180°F in Water | 150 PSIG Max.      |
| 41202 |                               | Brass                        |                                       | 100VA                             |  |                         |                    |
| 41203 |                               | 316 SST<br><i>See Note 8</i> |                                       | 20VA                              |  | -40° to +230°F in Oils  |                    |
| 41204 |                               | 316 SST<br><i>See Note 8</i> |                                       | 100VA                             |  |                         |                    |

### NOTES:

- Lead wires are available in different lengths, terminated ends or cable. Consult factory. *See Note 12.*
- Relays are available for handling higher loads than allowed. *See Accessories* section for details.
- Float specific gravity... .55
- Float specific gravity... .65
- Float specific gravity... .7
- Other standard mountings are available, i.e. 1/4" and 1/2" NPT, bulkhead, etc. Consult factory.
- SPDT switches are available. Consult factory.
- Teflon coated stems are available. Consult factory.
- Teflon factory coated floats are available. Consult factory.
- High temperature units up to 450°F are available. Consult factory.
- Custom interface floats are available. Consult factory.
- Optional PVC cable UL 2464 AWG #22 300V 80°C Underwriters Laboratories recognized. Consult factory.
- SPDT reed switches are available. Consult factory.
- Float specific gravity... .57
- All dimensions and specifications are typical to Model 4200 P/N 41003 except lead length of 36" max.
- All dimensions and specifications are typical to Model 4200 P/N 41003 except lead length of 36" max and float P/N 3482. *See drawing.*
- All dimensions and specifications are typical to Model 4700 P/N 41301 except lead length of 36" max.

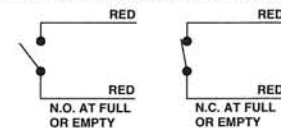
### Electrical

#### Switch Ratings... Max Resistive Loads

| V.A. | VOLTS  | AMPS DC | AMPS AC | AMPS AC MAX |
|------|--------|---------|---------|-------------|
| 20   | 0 - 50 | .4      | .4      | 1.0         |
|      | 120    | .15     | .16     |             |
|      | 240    | .06     | .08     |             |
| 100  | 0 - 50 | 1.0     | 1.5     | 3.0         |
|      | 120    | .4      | .8      |             |
|      | 240    | .2      | .4      |             |

Switch Rating of UL Recognized Units, 20VA:  
Metal Stem: 120-240 VAC Pilot Duty

#### WIRING DIAGRAM FOR STANDARD SPST SWITCHES



Switch logic is changed by removing retaining ring and inverting float.