## Explosion Proof Temperature Switches Series T1X, T2X, L1X

## Features

- Explosion-proof for hazardous locations
- High accuracy
- Remote, local or ambient sensing
- UL, CSA \& ATEX approved
- NEMA 4, 7, 9


## Applications

- Oil \& gas
- Heat tracing
- Printing machinery
- Compressors
- Process equipment
- Machine tools and industrial equipment


## General Specifications*

| Accuracy: <br> (Repeatability) | $\pm 1 \%$ of mid-60\% of full range. At <br> constant ambient +/- 0.5\% of full scale. <br> (Knob indication is reference only) |
| :--- | :--- |
| Switch: <br> Single Setting: | One (1) single pole double throw (SPDT) <br> circuit. <br> Two (2) independent single pole double <br> throw (SPDT) circuits. |
| Eltectrical <br> Characteristics: | All models incorporate Underwriters' <br> Laboratories, Inc. and CSA listed single <br> pole double throw snap-action switching <br> elements. Switches may be wired normally <br> open or normally closed. |
| Wetted Parts: | 304 stainless steel |
| Electrical <br> Connection: | Single: 3-pin terminal strip <br> Dual: 6-pin terminal strip |
| Electrical Ratings: | AC value at 75\% power factor -10 amps <br> 125, 250 volts AC, 3 amps 480 volts AC. <br> Automatically reset by snap-action of <br> switch. |
| Enclosure/Housing: | Class I, Division 1 \& 2 <br> NEMA 4, 7, \& 9 <br> Tamper-proof external adjustment, <br> enclosed terminal strip. |


| Local Mount: | Immersion length 2-1/16 inches |
| :---: | :---: |
| Bulb \& Capillary: | 6 foot length standard. |
| Approvals: | Underwriters' Laboratories, Inc. and Canadian Standard Assoc. are listed under Temperature indicating and regulating equipment, for use in hazardous locations, Class I, Groups B, C and D; Class II, Groups E, F and G. |
| UL (standard): | File No. E58658, Guide No. XBDV |
| CSA (standard): | File No. LR34556, Guide 400-E-O.8. Class 4868. |
| ATEX (optional): | EX models are ATEX marked as follows: <br> C © 0344, ISSeP 08 ATEX029X <br> 区x II 2G D, Ex d IIC T6 Gb <br> Ex tb IIIC T80 ${ }^{\circ} \mathrm{C}$ Db IP65 $-40^{\circ} \mathrm{C} \leq \mathrm{Tamb} \leq+75^{\circ} \mathrm{C}$ |
| Temperature Range: | See product configurator |
| Adjustment: | Tamper resistant external adjustment. Turn knob clockwise to increase setpoint. (Knob indication is reference only) |
| Standard Options/ Modifications: | For thermowels, split nuts and union connections, see accessory pages. |
| Weight: | Single - approximate 4.0 lbs . Dual - approximate 4.5 lbs . |

## Wiring Diagram



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## Technical Drawing



