

Put Yourself In A Better Position

TopWorx™ TXP With Optimum Use Of Space

The TopWorx™ T-Series TXP is suitable for intrinsically safe, flameproof, explosion proof, non-incendive, or general purpose applications. It carries global certifications including ATEX, IECEx, UL, INMETRO, EAC and CE mark and offers competitive features and flexibility at significant cost savings.

TXP Switch Boxes deliver outstanding value by providing full functionality in a compact, direct-mount enclosures. The TXP unique mounting design enables simple attachment to any ISO/NAMUR actuator without the need for expensive mounting brackets. With a low profile design it offers optimum use of space.

Unique TwistSet™ cam design allows easy access and accurate step less setting of sensor position with minimum hysteresis. Color coded strikers enable quick identification of open/closed switches.

Approval Options:

- Ex ia IIC T4 Tamb –50°C to 85°C IP66/67
- Ex d IIB T4 Tamb –60°C to 80°C IP66/67
- Ex d IIC T4 Tamb –60°C to 80°C IP66/67
- Ex tb IIIC T135°C Tamb –50°C to 80°C IP66/67

Class I, Division 1, Groups C and D; Class II, Groups E, F and G, Type 4X

Class I, Division 2, Groups A, B, and D; Class II, Division 2, Groups F and G, Type 4X



EMERSON. CONSIDER IT SOLVED.™

Flameproof, Explosion Proof, Non-Ignitable, General Purpose



The TopWorx T-Series TXP

Features:

- Rugged aluminium enclosure, designed for mounting to NAMUR actuators
- Color-coded twist-set cams for easy sensor adjustment



Options:

- AS-Interface 2.1
- Profibus™ DP
- GO™ Switch Proximity Sensor
- Mechanical, Inductive, and Proximity sensors



Enclosure	Bus/Sensor	Area Classification	Visual Display	Shaft	Conduit Entries
TXP Tropicalized Aluminium	Bus Network AS AS-Interface (Area class cannot be 0)	0 Intrinsically safe ATEX/IECEx Zone 1 II2GD Ex ia IIC Ex tb IIC, IP66/67		N NAMUR 304 stainless steel	P (2) 1/2" NPT

PB Profibus DP
 (Area class must be 1, C or W)

Mechanical Switches
 (Area class cannot be 2)

M2 (2)Mech SPDT
M4 (4)Mech SPDT
K2 (2)Mech SPDT gold contacts
T2 (2) Mech DPDT
 (Not available with pilot)

Proximity Switches
R2 (2) SPDT 250mA max
R4 (4) SPDT 250mA max
P2 (2) SPDT 3mA max
P4 (4) SPDT 3mA max

GO Switches (hermetic seal)
L2 (2) GO Switches
 SPDT hermetically sealed
 (No pilot valve)

Inductive Sensors
E2 (2) NJ2+V3-N
 inductive NAMUR

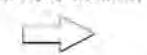
Analog Output
0X 4-20 mA Transmitter with no switches

Examples:
AS = AS-I with "R" type reed switches
AM = AS-I with "M" type mech switches



Ordering Guide
 Fill in the boxes to create your 'ordering number'

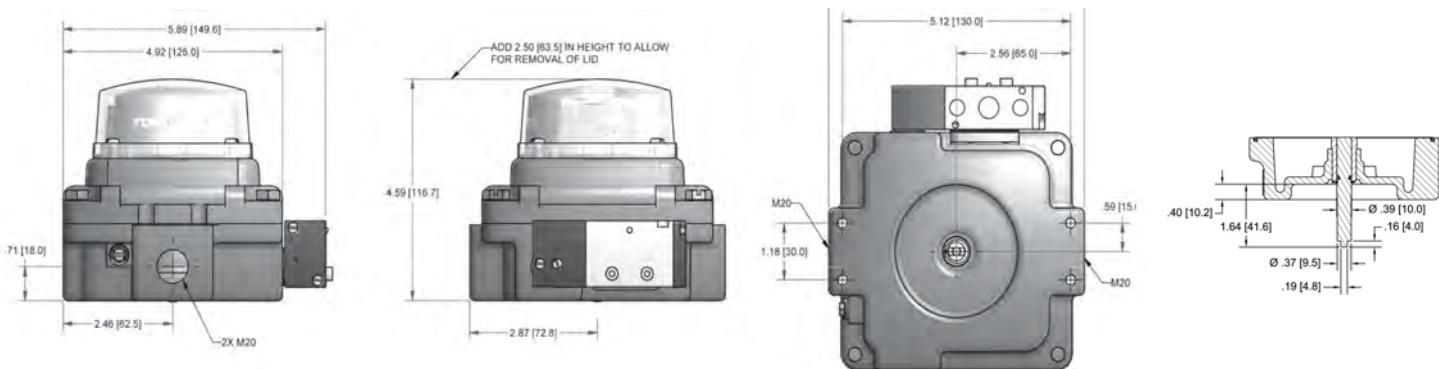
See Next Column



Enclosure	Bus/Sensor	Area Classification	Visual Display	Shaft	Conduit Entries
TXP	—	—	—	—	—

Discrete Valve Control

Dimensions



O-Rings	Pilot	Spool Valve	Valve Cv	Manual Override	Regional Certs
M Silicone	<p>Blank No pilot device(s)</p> <p>1 (1) 24 Vdc pilot, fail open/closed 1W (non I.S) 0.7 W (I.S.)</p> <p>7 (1) 110 3VA, fail open/closed</p> <p>4 (1) 220 Vac pilot, 3VA, fail open/closed</p>	<p>Blank No Spool Valve</p> <p>A Aluminum Hard coat anodized</p> <p>6 316 Stainless steel</p>	<p>Blank No Spool Valve</p> <p>1 1.0 Cv (1/4" NPT Ports)</p> <p>8 1.0 Cv (1/4" BSP Ports)</p>	<p>Blank No override</p> <p>1 Single Pushbutton Momentary/Latching</p>	<p>Blank No Regional Cert</p> <p>N NEPSI</p> <p>R EAC</p> <p>B InMetro</p> <p>P Peso</p>
O-Rings	Pilot	Spool Valve	Valve Cv	Manual Override	Regional Certs

Family of Products



GO™ SWITCH

Using a unique technology, GO Switch outperforms conventional limit switches and proximity sensors in the toughest applications. If your plant conditions are hot, cold, wet, dirty, abusive, corrosive, or explosive, be sure to specify GO Switch for a long, trouble-free life.



TopWorx™

TopWorx D-Series discrete valve controllers are certified for use in every world area. They carry IECEx, ATEX, UL, and CSA certifications in a single model, making it easier for global customers to standardize across plants in multiple world areas. Other certifications available include NEPSI, KOSHA, InMetro, and GOST. Valvetop D-Series discrete valve controllers can survive in virtually any plant condition. Their heavy-duty construction and corrosion resistance enable superior performance in the most demanding applications.



TopWorx T-Series switchboxes deliver outstanding value by providing full functionality in compact, direct-mount enclosures. Available with a variety of position sensors, integral solenoid valves, and bus networks, the T-Series is suitable for use in all hazardous areas and carry IECEx, ATEX, and CSA certifications.



TopWorx SIL-3 ESD Valve Controllers provide a complete Partial Stroke Test Solution with unique features and functionality that enable partial stroke testing of emergency shutdown valves without disrupting or shutting down the process.



WIRELESS

The TopWorx 4310 Wireless Position Monitor is a component of Emerson's Smart Wireless solutions for field instrumentation. Smart Wireless extends PlantWeb's predictive intelligence into areas that were previously out of physical or economic reach, opening the door for new possibilities in process management.



WIRELESS SAFETY SHOWER MONITORING SOLUTION

The TopWorx Wireless Safety Shower Monitoring Solution combines two 10 Series, latching GO Switches with a Rosemount 702 Wireless Transmitter that provide on/off indication, time stamping, and automated reporting functions for safety shower/eyewash stations.



VIP BRACKETS

With over 1,500 mounting kit designs, TopWorx products can be mounted on any rack-n-pinion, scotch-yoke, or vane actuator, quarter-turn manual valves, linear knifegate and control valves, and positioners.

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