

Catalog No.	Temperature Range	Primary Uses	Features	Maximum Bulb Temp.	Switch	Capillary		Approvals/Classifications	
						Material	Length		
TF4X40	40° F (4.4° C)	Economical pipe sensing temperature control.	<ul style="list-style-type: none"> <li>Fixed adjustment</li> <li>NEMA 4X, IP66 corrosion resistant, watertight, non-metallic enclosure</li> </ul>	160° F (71° C)	22A/250V SPST Leads	Copper	3 ft.	UL CSA CE	Ordinary Locations Ordinary Locations Ordinary Locations
TH4X325	25-325° F (-4-163° C)	Corrosive pipe sensing applications for freeze protection and process maintenance piping.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4X, IP66 epoxy coated metal enclosure</li> <li>Ambient compensated</li> </ul>	420° F (215° C)	22A/480V SPDT	Stainless Steel	10 ft.	UL CSA CE	Ordinary Locations Ordinary Locations Ordinary Locations
TH4X325-2	25-325° F (-4-163° C)	Corrosive pipe sensing applications for freeze protection and process maintenance piping. Designed to break both legs of a phase-to-phase heating circuit. Relay coil is powered by heater supply voltage.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4X, IP66 epoxy coated metal enclosure</li> <li>Ambient compensated</li> </ul>	420° F (215° C)	22A/240V DPST (208-240 Coil Voltage)	Stainless Steel	10 ft.	UL CSA CE	Ordinary Locations Ordinary Locations Ordinary Locations
TH4X600	320-600° F (160-315° C)	Corrosive pipe sensing applications for freeze protection and process maintenance piping.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4X, IP66 epoxy coated metal enclosure</li> <li>Ambient compensated</li> </ul>	650° F (340° C)	22A/480V SPDT	Stainless Steel	12 ft.	UL CSA CE	Ordinary Locations Ordinary Locations Ordinary Locations
TE4X60	32-1000° F (0-538° C)	Use for high temperature piping on freeze protection and process maintenance applications. Use when probe length exceeds 10 ft. - probe can be remote mounted with additional wiring to control unit - such as elevated piping where ground level control is desired.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4X, IP66 corrosion resistant, watertight, non-metallic enclosure</li> <li>Type J thermocouple electronic temperature control</li> <li>Requires 120 vac control power</li> <li>NEMA 4, IP66 watertight metal enclosure available on special order</li> </ul>	1100° F (593° C)	8A/240V SPST Terminals	Alloy 825	10 ft.	UL FM CSA	Ordinary Locations Ordinary Locations Ordinary Locations
TA4X140	15-140° F (-9-60° C)	Used to turn heat trace system/cables on when ambient temperature goes below freezing. Can be used in ordinary and corrosive environments.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4X, IP66 epoxy coated metal enclosure</li> </ul>	160° F (71° C)	22A/480V SPDT Terminals	Stainless Steel	N.A.	UL CSA CE	Ordinary Locations Ordinary Locations Ordinary Locations
HC4X50	N.A.	Contactors for use when current ratings of the above thermostat switches are exceeded - use with thermostat.	<ul style="list-style-type: none"> <li>50 amp, 600 volt, 3-pole contactor</li> <li>NEMA 4X, IP66 corrosion resistant, watertight, non-metallic enclosure</li> <li>Specify coil voltage</li> <li>Use with thermostat for temperature control</li> <li>NEMA 4 watertight metal enclosure available on special order</li> </ul>	N.A.	50A/600V TPST Terminals	N.A.	N.A.	FM CSA	Ordinary Locations Ordinary Locations

Catalog No.	Temperature Range	Primary Uses	Features	Maximum Bulb Temp.	Switch	Capillary Material Length	Approvals/Classification
TH-7325	25-325° F (-4-163° C)	Freeze protection & process maintenance pipe temperature sensing applications.	<ul style="list-style-type: none"> <li>External adjustment</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Ambient compensated</li> <li>Threaded flange construction</li> </ul>	420° F (215° C)	22A/480V SPDT Terminals	Stainless Steel 10 ft.	UL Class I & II, Groups B, C, D, E, F, G FM Class I & II, Groups B, C, D, E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I & II, Groups B, C, D, E, F, G Class III, Enclosure Type 4 Class I, Zone 1, Ex d IIB+H <sub>2</sub> LCIE EEx d IIC
TH-7325-2	25-325° F (-4-163° C)	Freeze protection & process maintenance pipe temperature sensing applications. Designed to break both legs of a phase-to-phase heating circuit. Relay coil is powered by heater supply voltage.	<ul style="list-style-type: none"> <li>External adjustment</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Ambient compensated</li> <li>Threaded flange construction</li> </ul>	420° F (215° C)	22A/240V DPST (208-240 Coil Voltage)	Stainless Steel 10 ft.	UL Class I & II, Groups B, C, D, E, F, G FM Class I & II, Groups B, C, D, E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I & II, Groups B, C, D, E, F, G Class III, Enclosure Type 4 Class I, Zone 1, Ex d IIB+H <sub>2</sub> LCIE EEx d IIC
TH7600	320-600°F (160-315°C)	Freeze protection & process maintenance pipe temperature sensing applications.	<ul style="list-style-type: none"> <li>External adjustment</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Ambient compensated</li> <li>Threaded flange construction</li> </ul>	650°F (340°C)	22A/480V SPDT	Stainless Steel 12 ft.	UL Class I, II & III, Groups B, C, D, E, F, G CSA Class I & II, Groups B, C, D, E, F, G Class III, Enclosure Type 4 Class I, Zone 1, Ex d IIB+H <sub>2</sub> ATEX II 2 G D, Ex d II C, Ex tD A21 IP6X T80°C -40°C ≤ T <sub>amb</sub> ≤ +75°C
TE-760	32-1000° F (0-538° C)	Use for high temperature piping - freeze protection and process maintenance. Also used when probe length exceeds 10 feet probe can be remote mounted with additional wiring to the control unit - such as elevated piping where ground level control is desired.	<ul style="list-style-type: none"> <li>Internal adjustment</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Type J thermocouple control</li> <li>Requires 120 vac control power</li> <li>Threaded flange construction</li> </ul>	1100° F (593° C)	8A/240V SPST Terminals	Alloy 825 10 ft.	FM Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, Ex d IIB+H <sub>2</sub>
TA-7140	15-140° F (-9-60° C)	Used to turn heaters off/on based on ambient air temperatures in classified (hazardous) areas.	<ul style="list-style-type: none"> <li>External adjustment</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Threaded flange construction</li> </ul>	160° F (71° C)	22A/480V SPDT Terminals	Stainless Steel N.A.	UL Class I & II, Groups B, C, D, E, F, G FM Class I & II, Groups B, C, D, E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I & II, Groups B, C, D, E, F, G Class III, Enclosure Type 4 Class I, Zone 1, Ex d IIB+H <sub>2</sub> LCIE EEx d IIC
HC-750	N.A.	Contractor for use in classified (hazardous) area when current ratings of thermostat switches have been exceeded - use with thermostat or other control device.	<ul style="list-style-type: none"> <li>50 amp, 600 volt 3-pole contactor</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Specify coil voltage; 120, 208, 240, 277 and 480VAC</li> <li>Threaded flange construction</li> </ul>	N.A.	50A/600V TPST Terminals	N.A. N.A.	FM Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, Ex d IIB+H <sub>2</sub>
OHC-750	N.A.	Contractor for use in classified (hazardous) area when current ratings of thermostat switches have been exceeded - use with thermostat or other control device.	<ul style="list-style-type: none"> <li>50 amp, 600 volt 3-pole contactors</li> <li>NEMA 4,7,9 cast aluminum enclosure</li> <li>Specify coil voltage; 120, 208, 240, 277 and 480VAC</li> <li>Threaded flange construction</li> <li>Oversize enclosure</li> </ul>	N.A.	50A/600V TPST Terminals	N.A. N.A.	FM Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> CSA Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 1, Ex d IIB+H <sub>2</sub>

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