

## MECHANICAL THERMOSTATS SELECTION GUIDE

### ORDINARY AREA

Catalog No.	Temperature Range	Primary Uses	Features	Maximum Bulb Temp.	Switch	Capillary Material Length		Approvals/Classifications	
PT40F	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
PTN4X	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
ATN4X	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

### CLASSIFIED (HAZARDOUS) AREAS

Catalog No.	Temperature Range	Primary Uses	Features	Maximum Bulb Temp.	Switch	Capillary Material Length		Approvals/Classification	
PTN7	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 FM CSA LCIE	Class I & II, Groups B, C, D, E, F, G Class I & II, Groups B, C, D, E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> 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> EEx d IIC
ATN7	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 FM CSA LCIE	Class I & II, Groups B, C, D, E, F, G Class I & II, Groups B, C, D, E, F, G Class I, Zone 1, AEx d IIB+H <sub>2</sub> 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> EEx d IIC

