

## TM20EX MECHANICAL THERMOSTAT

nVent RAYCHEM T-M-20-S/+x+y/EX is a mechanical surface sensing thermostat providing temperature control and temperature limit in hazardous areas. The safety limiter prevents the heating system from exceeding a preset maximum temperature should the control function fail to operate or an unsafe process temperature occur. Available in ranges: +0 °C +120 °C, +0 °C +200 °C and +50 °C +300 °C. The maximum rated voltage is 400 VAC. The switching current capacity is 16 A.

### FEATURES & BENEFITS

Simple to install and operate: supplied with 3 m long stainless steel fluid filled bulb and capillary, 6 cable entries

Energy saving, line-sensing electronic control thermostat

Adjustable set point temperature control: +0 °C +120 °C, +0 °C +200 °C and +50 °C +300 °C (with temperature limit ranges at +0 °C +120 °C, +50 °C +300 °C and +50 °C +300 °C respectively)

Direct switching, maximum current 16 A, 400 VAC: independent Ex d single pole change over micro switches with volt-free contacts

Lightweight unit, can be pipe mounted using nVent RAYCHEM support brackets or surface mounted

### SPECIFICATIONS

**Material** Glass Fiber Reinforced Polymer

**Thermostat Type** Mechanical Thermostat

**Current Rating** 16 A

**Max Voltage** 400 V

**Controller Switching Capacity** Max 16 A @ 400 VAC, Resistive load

**Height** 120 mm

**Width** 220 mm

**Depth** 90 mm

Table 1/1

Catalog Number	Item Name	Controller Temperature Setting	Limiter Temperature Setting
1244-016536	T-M-20-S/+0+120C/EX	0 – 120 °C	0 – 120 °C
1244-013410	T-M-20-S/+0+200C/EX	0 – 200 °C	50 – 300 °C

Catalog Number	Item Name	Controller Temperature Setting	Limiter Temperature Setting
1244-013411	T-M-20-S/+50+300C/EX	50 – 300 °C	50 – 300 °C

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