

## 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

#### North America

Tel +1.800.545.6258  
Fax +1.800.527.5703  
thermal.info@nvent.com

#### Europe, Middle East, Africa

Tel +32.16.213.511  
Fax +32.16.213.604  
thermal.info@nvent.com

#### Asia Pacific

Tel +86.21.2412.1688  
Fax +86.21.5426.3167  
cn.thermal.info@nvent.com

#### Latin America

Tel +1.713.868.4800  
Fax +1.713.868.2333  
thermal.info@nvent.com



Our powerful portfolio of brands:  
**nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**

© 2021 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.  
nVent reserves the right to change specifications without notice.