TM20 Mechanical Thermostat

nVent RAYCHEM T-M-20-S is a surface sensing thermostat providing temperature control and temperature limiter in safe areas. Available in 3 temperature ranges. 0–100 °C; 0–200 °C; 50–300 °C.

FEATURES

Easy to use: temperature set point adjustment and limiter reset without opening the enclosure, via removable plugs in the lid

Direct connection of the heating cable

Enclosure protection: both 2 meter long stainless steel fluid filled bulb and capillary are protected at the enclosure by a flexible conduit

High limit cut-out: to prevent the heating system exceeding a preset maximum temperature should the control function fail to operate or an unsafe process temperature occur

SPECIFICATIONS

Hysteresis/Differential:	2.5% of temperature range
Max Voltage:	230 V
Controller Switching Capacity:	Max 16 A @ 230 VAC
Limiter Switching Capacity:	Max 16 A @ 230 VAC
Thermostat Type:	Mechanical Thermostat

Table 1/1

Catalog Number	Item Name	Controller Temperature Setting	Limiter Temperature Setting
1244-022644	T-M-20-S/+50+300C	50 – 300 °C	20 – 400 °C
1244-022642	T-M-20-S/0+100C	0 – 100 °C	20 – 150 °C
1244-022643	T-M-20-S/0+200C	0 – 200 °C	130 – 200 °C

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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

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