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### digital thermometers

# RM30



**APPLICATION FIELD:** the RM 30 is a digital temperature indicator with LED display with 8 input channels. This feature combined with the large measuring range (-55 x +150 °C / -67 x +302 °F), makes the RM 30 a thermometer suitable for applications in industrial refrigeration.

**CARRIED OUT ACTION:** the RM 30 is provided with 8 input channels that allow displaying temperatures detected in rooms where the 8 PTC probes are placed. Users can select the room whose temperature is required.

**SETTING:** the instrument is supplied to customers already set and ready-to-use with factory preset parameters, defined at order confirmation. In particular °C or °F measure unit and power supply.

**USER-FRIENDSHIP:** the RM 30 stands out for its rugged design, particularly suggested for use in industrial environment and for very simple installing operations.

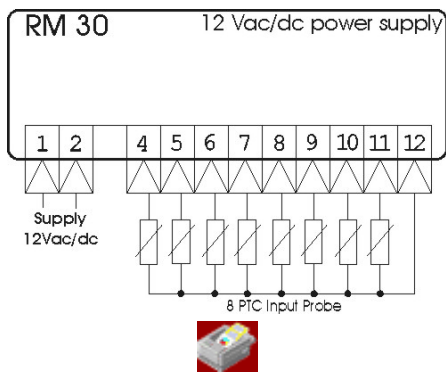
**INPUT:** the RM 30 is provided with 8 inputs for PTC standard probe for medium-low temperatures.

**OUTPUT:** the instrument has no output, being a simple indicator.

**POWER SUPPLY:** the standard configuration is 12 Vac/dc or 24 Vac/dc. It can be connected directly to the supply mains (230/115 Vac) through the external transformer model TF-3.

#### TECHNICAL SPECIFICATIONS

Housing: self-extinguish UL94V0 ABS plastics, black colour  
 Size: frontal 32 x 74 mm; depth 78 mm (incl. terminal cover)  
 Mounting: flush-panel on hole 28 x 70 mm (with "fast-lock" sliding brackets)  
 Protection: IP 65 for the frontal panel  
 Connections: on screw terminal board for wires with cross section area < 2,5 mm<sup>2</sup>  
 Display: LED, 3 digits, 12.5 mm high  
 Data storing: none  
 Operating temperature: -5 x +65 °C (+23 x +149 °F)  
 Stocking temperature: -30 x +75 °C (-22 x +167 °F)  
 Relative humidity: 20 x 85 % (not condensing)  
 Measure range: -55 x +150 °C (-67 x +302 °F) for PTC probe;  
 Output: none  
 Analogue inputs: 8 for PTC probes  
 Resolution: 1 °C (1 °F)  
 Accuracy: better than 0.5% f.s. ± 1 digit  
 Power supply: standard 12 Vac/dc ± 15%



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