

Product Information

RM-TH

Temperature and Humidity Sensor for the Rail-Module-Bus

The LANCIER Monitoring Rail-Module-Bus is a modular and robust sensor system. Several measuring modules are mounted on a DIN rail and are directly connected to one another by means of plug-in contacts. The supply voltage, data analysis and control panel as well as their transmission to the remote measuring stations are carried out via the RM-Basic module.

The RM-TH measuring module monitors continuously temperature and humidity of rooms and cabinets by means of an external digital sensor. The upper thresholds are programmable via built in buttons which are linked to the display of the RM-Basic module. Next to the settings the display can also indicate the current measuring values.

For the remote alarm system the RM-TH module possesses built-in dry output contacts. Additionally it can be connected to the LANCIER Tx-Bus, a Can-Bus or a telecontrol system via Modbus.



Technical Data

Humidity	Measurement range	0 % .. 95 % r. H.
	Resolution	0,1 % r. H., max. fault \pm 3,0 % r. H.
Temperatur	Measurement range	-20 °C .. +70 °C
	Resolution	0,1 °C, max. fault \pm 2,5 °C
Supply voltage		12 V / 5 V DC by RM-Basic module
Operating temperature		-20 °C .. +65 °C
Admissible humidity		0 .. 95 % rel. humidity, non-condensing
Display		by RM-Basic module
Signal LEDs		2 x green / red 1 x blue
Signal outputs		2 dry change-over contacts: alarm temperature, alarm humidity
Max. switchable voltage		250 V AC
Max. switchable current		1,5 A AC
Dimensions RM-TH (B x H x T)		72 x 89 x 65 mm

Ordering Data

RM-TH

Temperature and humidity measuring module with external digital sensor

Order-No. 074004.000

RM-Basic

Power supply, communication and display module for the RM-Bus

Order-No. 074001.100