

# Product Information

## RM-Basic

### Basic module for the Rail-Module-Bus

The Rail-Module-Bus by LANCIER Monitoring 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 RM-Basic module is the core of the new Rail-Module-Bus by LANCIER Monitoring. It takes over the energy supply of the measuring modules, shows the measurements and parameters and transmits the readings to a superordinate control system via one of the integrated interfaces.

The RM-Basic module display is also used to set the thresholds of the connected sensors.



LANCIER Monitoring GmbH  
Gustav-Stresemann-Weg 11  
48155 Münster, Germany  
Tel. +49 (0) 251 674 999-0  
Fax +49 (0) 251 674 999-99  
mail@lancier-monitoring.de  
www.lancier-monitoring.de

## Technical Data

Supply voltage	21 .. 72 V DC
Output voltage	12 V/0.5 A 5 V/1.5 A
Display	Graphic display, blue back-lit
Interfaces	LANCIER Monitoring Tx-Bus Ethernet RS232 RS485 CAN-Bus
Local User Interface	by push-button
Operating temperature	-20 °C .. +65 °C
Admissible humidity	0 .. 95 % rel. humidity, non-condensing
Dimensions RM-Module (W x H x D)	108 x 89.7 x 62.2 mm

## Ordering Data

<b>RM-Basic</b> Power supply, communication and display module for the RM-Bus	<b>Order-no. 074001.100</b>
<b>Accessories</b> <b>RM-Power</b> voltage converter 110 .. 230 V AC / 24 V DC, for DIN Rail Module	<b>Order-no. 074009.000</b>
<b>RM-Bus expansion</b> for an additional DIN-Rail module	<b>Order-no. 074002.000</b>

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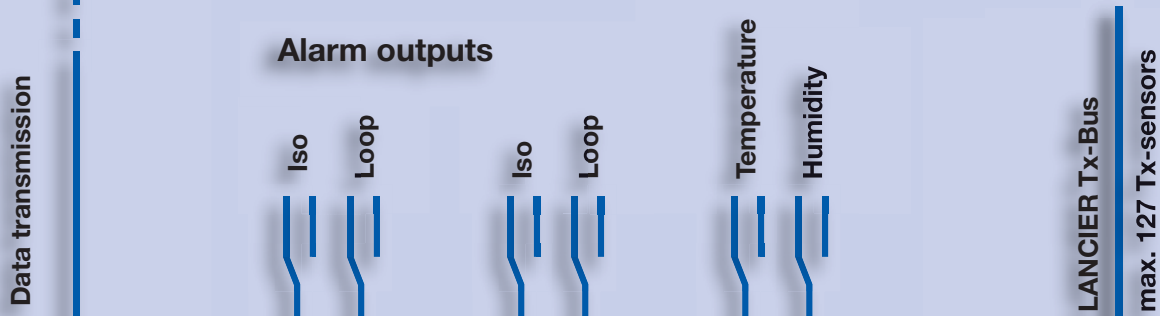
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#### System diagram

#### Communication alternatives

1. **Monitoring station / UMS-System**  
Comfortable measurement collection and administration with flexible alarm alternatives.
2. **Ethernet by web browser**  
Measurement control by direct IP access.  
Capability to modify thresholds.
3. **Telecontrol by Mod-Bus**  
Measurement collection and administration.
4. **GSM – SMS-/E-mail reports**  
Immediate notification of alarms + periodic reports.



#### Basic Module

for power supply of measuring modules, measurement display and transmission.

#### RM-Iso

for cable monitoring.

#### RM-PL

for pipe network monitoring (e.g. district heating).

#### RM-TH

for temperature and humidity monitoring.

#### RM-Tx

for universal monitoring tasks.