

Float Switch

for fluid level monitoring

The ingress of water and other fluids in manholes, cellars or construction pits etc. can destroy valuable technical facilities. Even well sealed sleeves and other housings will be damaged when exposed to water for a long period of time. An effective protection against these damages is now available!

When for instance strong rainfall, pipe bursts or other unexpected events are flooding a manhole, the maintenance-free LANCIER Monitoring float switch immediately reacts to it.

The standard make is a pure switch for simple signalisation and can – if required – be remotely read by means of the LANCIER RM module system or an external contact sensor.

The version with built-in LANCIER contact sensor CTxA allows for the direct integration of the float switch into the LANCIER Tx-bus.

In these ways the float switch can be integrated into the LANCIER UMS monitoring system for remote reading, evaluation and alarming. Furthermore the switch state can be forwarded to telecontrol and process control systems.

Any external power supply for the LANCIER float switch or for the contact sensor CTxA is not necessary. The CTxA is fed through the Tx-bus, which can supply and read up to 127 addressable sensors (q.v. Technical Information Tx-bus).

Thus the monitoring of remote objects without electrical power supply is made possible in a simple and efficient way.



Technical Data

Float Switch

Measuring range	open / closed
Equipment	5 m connection cable connecting plug at housing with gold plated contacts waterproof housing, IP 68
Media	water, alcalic fluids
Operating temperature	-20 to +70 °C, other temperature ranges on request
Storage temperature	-30 to +80 °C, other temperature ranges on request
Dimensions	165 mm x Ø 50 mm

Technical Data

Float Switch with Contact Sensor CTxA

Measuring range	open / closed
Communication and power supply	by LANCIER Tx-Bus (up to 127 sensors per measuring pair, data transmission > 10 km)
Operating temperature	-20 to +70 °C
Storage temperature	-30 .. +80 °C

Ordering Data

Float switch

at multi housing, 5 m connection cable, opening/closing contact

Order-no. 074764.000

incl. addressable contact sensor CTxA

Order-no. 074765.000

Accessories

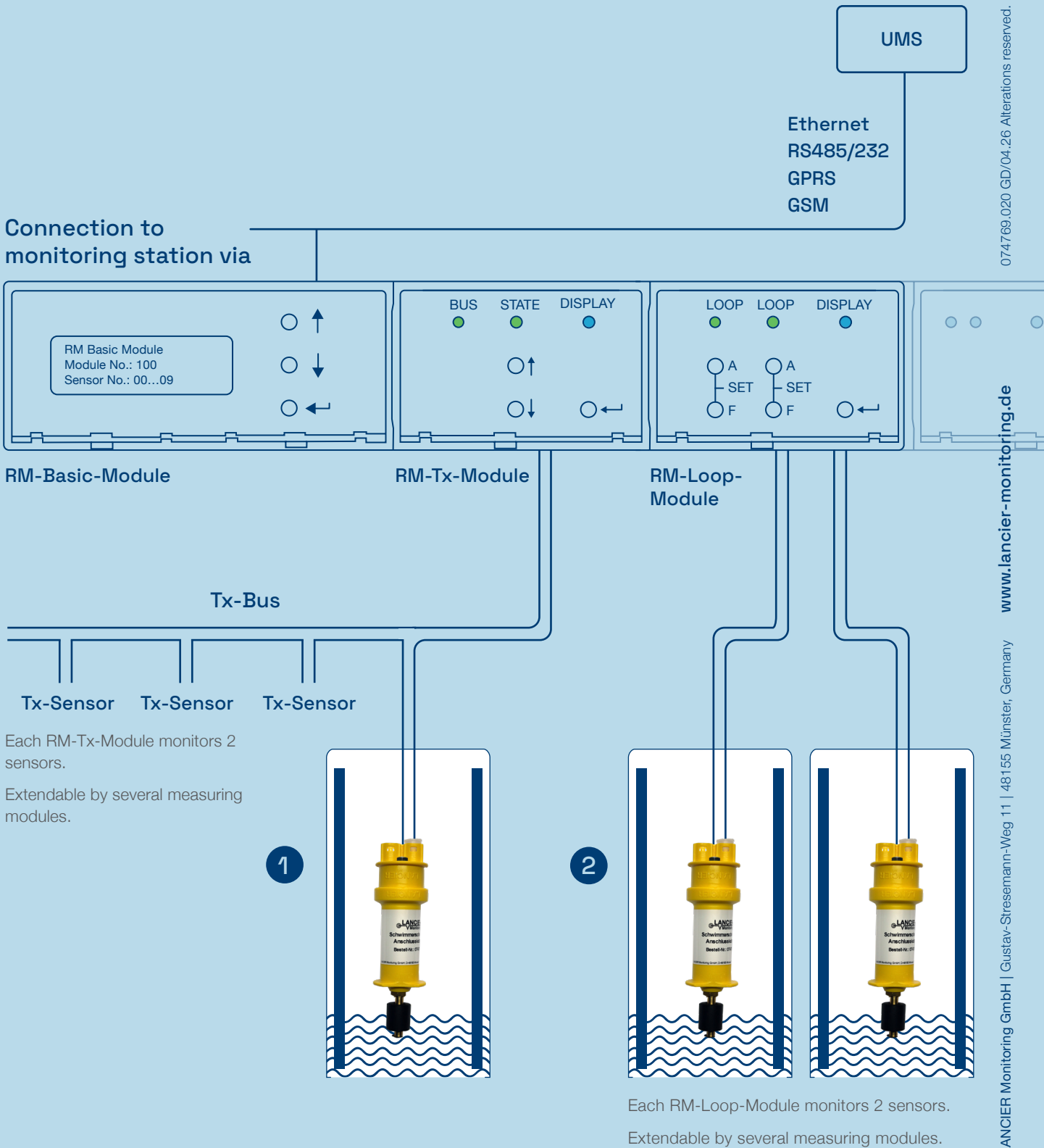
Connecting box LANCIER

protection class IP66,
with 8-pin terminal,
for wire cross section up to 4 mm²

Order-no. 074895.000

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Manhole monitoring

- 1 Float switch with integrated contact sensor CTxA, readout via RM-Tx module
- 2 Float switch without contact sensor, reading by RM-Loop module