

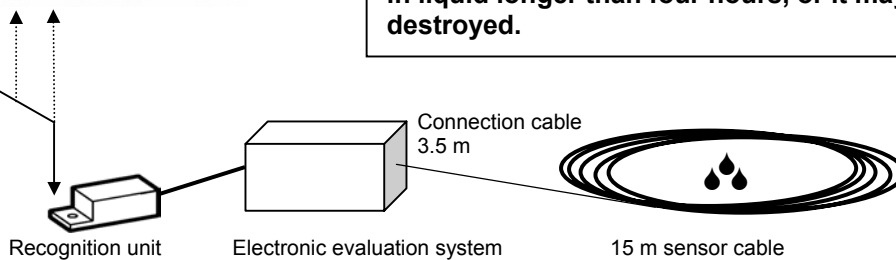
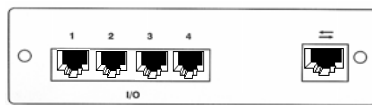
Leakage sensor, 15 m

DK 7320.631

Note:

For reasons of clarity, this manual does not contain every piece of detailed information, and cannot take into consideration every conceivable form of installation, operation or maintenance. We reserve the right to make technical changes at any time. In case of doubt, the German text shall apply.

Sensor unit I/O Unit 7320.210



Basic rules of correct leakage reporting:

The sensor cable must be fixed to the floor with the assembly material supplied. The fact that it is mounted close to the ground makes it possible to recognize very small amounts of liquids.

Warning !

Following an alarm, the sensor cable must not remain in liquid longer than four hours, or it may be destroyed.

Description:

The sensors may be connected to the I/O Unit 7320.210 (max. 4x). The sensor assumes the function of a leakage monitoring system for conductive liquids such as fresh water, seawater, glycol-water, etc. The LED to be visible in the electronic evaluation system glows red if an alarm is set off. The sensor cable is similarly monitored for breakage – an alarm is likewise given. The sensor contains an ID so that it is automatically detected and set up by the CMC-TC system. To operate the system, the following components are needed:

- Processing Unit II (7320.100) "software version 2.15 and later" with power pack (e.g. 7320.425), country-specific connection cable, and programming cable.
- Sensor unit (7320.210) "software version 1.3 and later", and connection cable (RJ45, Cat5).

Operating conditions:

- The sensor is to be used exclusively for the Rittal CMC-TC system.
- The operating instructions/safety information of Processing Unit II and/or the sensor unit specified above shall apply.
- The max. cable length between sensor unit and sensor amounts to 2 m. The connection cable supplied with the sensor is to be used for connection to the sensor unit. Extension cable 7200.450 may be used for special applications, following consultation with our main office.
- It is vital that the cables be laid separately from the mains cables.
- The sensors must be used exclusively within the stated range of environmental conditions.
- The sensor enclosures must not be opened. No components are included that need to be maintained.
- Before assembly, it must be ensured that the sensor is suitable for the device and/or socket.
- Safety devices must not be disabled.
- Direct contact between the unit and the electronic evaluation system with water (e.g. by condensation), oil dirt or aggressive materials is forbidden.
The sensor line is an exception and may come into contact with conductive liquids such as fresh water, seawater, glycol-water, etc.
- Operation in environments with flammable gases or steam is forbidden. The protection of the evaluation unit and electronic evaluation system from water and dust must be ensured by installing it in a cabinet or rack.
- The CMC-TC system must be free of voltage when the sensor is connected to the sensor unit.
- The sensor must be installed correctly in accordance with the separate assembly instructions.
- Extreme mechanical loads must be avoided.
- Following an alarm, the cable may be dried and thus used again

Technical data:

Monitoring: conductive sensor cable
 Length of the sensor cable: 15 m
 Sensor cable material: PEHD and PHLD
 Connection cable from the sensor cable to the electronic evaluation system: 3.5 m
 Connection: RJ12 socket, 6-pole
 Connection cable: length 2 m, RJ12 plug 6/6 double-sided
 Operating ambient temperature: +5°C to +45°C
 Operating ambient humidity: 10% to 90% relative humidity, non-condensing
 Protection category: IP 40 in line with EN 60 529 for evaluation unit and electronic evaluation system

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