

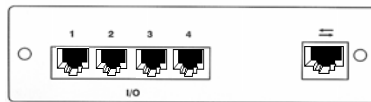
# Access sensor

**DK 7320.530**

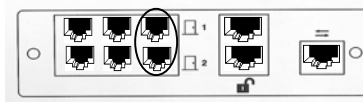
## Note:

For reasons of clarity of the presentation, these operating instructions do not contain all information details and also cannot cover every possible case of installation, operation or repair. Technical specifications are subject to change without notice. In case of doubt, the German text prevails.

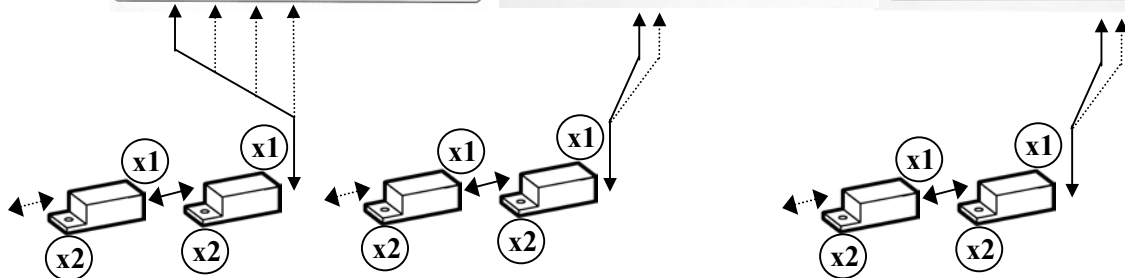
**Sensor Unit:  
I/O unit 7320.210**



**Sensor Unit  
Access unit 7320.220**



**Sensor Unit:  
Climate unit 7320.230**



## Description:

The sensors can be connected to the I/O Unit 7320.210 (max. 4 sensors), to the Access Unit 7320.220 (max. 2 units) or to the Climate Unit 7320.230 (max. 2 units). The access sensors can also be connected in series to form a monitoring line (max. 5 sensors). It is important that each line of 1-5 sensors always terminates with the supplied RJ12 bridge plug (RJ12 plug socket x2). The function of the sensor is to monitor access. The sensor is assigned a code by which it is automatically identified and set by the CMC TC system. The sensor can be used if the following components are available:

- Processing unit (7320.100) with mains adapter (e.g., 7320.425), national-standard connecting cable, programming cable.
- Sensor unit (7320.210 or 7320.230), Connecting cable (RJ45, Cat5).

The sensors contain an LED for indicating the status of the door (LED on = door open / LED off = door closed).

If sensors are connected in series, the system should always be commissioned from the last sensor (sensor with bridge). If the LED in the last sensor is extinguished, the next sensor in the series is then commissioned.

**Note:** When the sensors are connected in series, with the door closed, the LEDs will not be extinguished until all doors have been closed for the sensors behind them, right through to the final sensor (sensor with bridge).

## General conditions of use:

- The sensor must only be used together with the Rittal CMC-TC system.
- The operating instructions / safety instructions of the Processing Unit and of the above sensor units apply.
- The maximum cable length between the sensor unit and the sensor is 2m. The connection must be made with the connecting cable of the supply. Extension cables 7200.450 for special applications are available after consultation with our central office.
- It is absolutely necessary that these cables are installed separately from mains power cables.
- The use of the sensors is exclusively limited to the specified ambient conditions.
- It is forbidden to open the sensor enclosures. They do not contain parts requiring maintenance.
- Before making the connection, check to be sure that the sensor can be used with the device / module.
- It is forbidden to render safety equipment ineffective.
- Direct contact of the sensor with water (e.g., dew), oil sludge or any aggressive substances is forbidden.
- Use in locations with flammable gas or vapor is forbidden. Protection from water, dust, etc. must be ensured by installation in a enclosure or rack.
- The CMC-TC system must not be live with voltage when the sensor is being connected to the sensor unit.
- The sensor must be installed properly as described in the separate installation instructions.

## Technical data:

- 2x sensors with reed contact (mounted on enclosure frame)
- 2x magnets (mounted on the moving part – in closed state, the magnet must make direct contact with the reed contact)
- 2x bridge plug RJ12 to terminate the monitoring line
- 1. **Connection x1:** RJ12 socket 6-pole (for the connection to the Sensor Unit)
- 2. **Connection x2:** RJ12 socket 6-pole (for a series circuit with another Access sensor or for end with a bridge plug)
- 2x connection cables: length 2m, RJ12 socket 6/6 both ends
- Temperature range: +5°C bis +45°C
- Protection category: IP 40

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