

TC GSM/GPS

Quick Guide to Initial Installation

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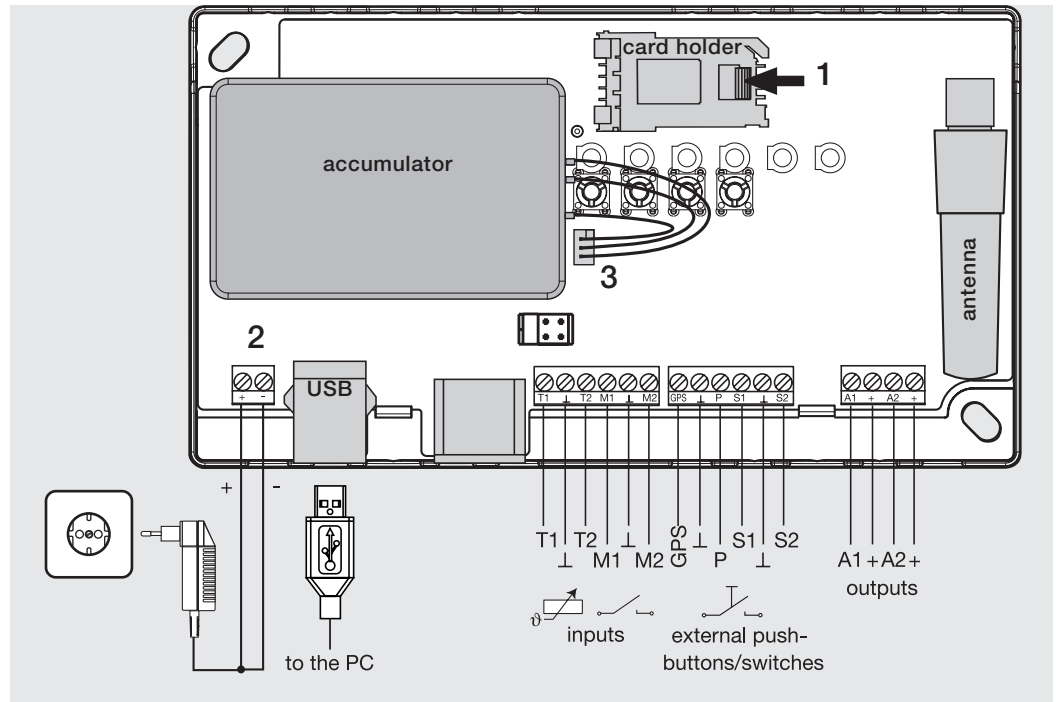
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Installation

⚠ A permanent stay of less than 50 cm from the device is not recommended. Disconnect the TC from the power supply before you open the lid of the housing.

⚠ Before installing the TC check the GSM signal strength at the location with a mobile phone (signal strengths on display).

- An activated SIM-card of a GSM-provider is needed.
- Set the **PIN** with a mobile phone to "1234" or deactivate the PIN (see operation instruction of the mobile phone). If a SIM-card with a different PIN is inserted, the PIN will be locked from the SIM-card after the third attempt.
- Switch off any call diversions.
- Slide the lever of the SIM-card holder to the left (see arrow, 1). Open the retaining flap.
- Insert the SIM-card so that the contacts areas are visible and the slanted corner is on the left side at the top.
- Close the retaining flap and slide the lever to the right.
- Connect the wires of the plug power supply to the screw terminals "+" and "-" (2). The "+" wire is marked with a whitebar.
- Plug the connector of the accumulator in the socket (3).



- For the configuration with a PC, connect the PC-cable at the **USB**-port.
- Connect the devices at the alarm inputs **M1/M2** and the temperature sensors (optional) at **T1/T2**.
- Connect the external push-buttons **GPS/P/S1/S2** as desired. They are electrically parallel to the integrated push-buttons.
- Connect the devices which should be switched. The outputs **A1** and **A2** contain relay contacts with a load capacity of 48 V/24 V AC/DC at 2 Amps.
- Close the lid and insert the plug power supply in a power outlet.

Easy Configuration With a Telephone Call

The easy configuration can only be done with the factory settings. The configuration call sets the telephone numbers which will be called as phone number 1 for all alarming events.

- 1 After inserting the plug power supply in the 230 V-power outlet, the device connects within a minute to the GSM network.
- 2 If the GSM LED lights up, call the TC within 5 minutes. The Act-LED will flicker during the call.
- 3 A busy tone will be heard.
- 4 The output 1 will be switched on for 3 seconds at an incoming call. The phone number

of the calling telephone is recognized and stored, if it has been transmitted during the configuration call.

Technical Data

Dimensions L x W x H:	143 x 81 x 28 mm
Weight:	438 g
Color:	pure white, according to RAL 9010
Temperature range	
Operation:	-20 to 55 °C
Storage:	-25 to 70 °C
Protection class:	IP30 according to EN 60529
Power supply:	12 V DC or 24 V DC with screw terminals potential-free contacts max. 48 V/2 A AC/DC at 2 Amps
Switching outputs 1 and 2:	for potential-free contacts (activation time > 50 ms)
Alarm inputs 1 and 2:	

current consumption (at 12 V DC)	
Idle mode (outputs and GPS switched off):	23 mAmps
Idle mode (outputs switched off, GPS switched on):	62 mAmps

Plug power supply

Input voltage:	100–240 V AC/47–63 Hz
Output voltage:	12 V DC/1.25 Amps
Protection class:	IP41 according to EN 60529