



Ergonomic telephones

Accessory: External radio receiver TRX

Description

The external Ergophone radio receiver TRX serves to receive calls which are initiated by an Ergophone transmitter TRX/TRX-S (radio pendant, technical radio transmitter, radio cord pull switch, radio smoke detector, radio tile, radio sensor mat). The call (or the smoke alarm) is sent on from the radio receiver TRX to an Ergophone telephone with contact-input.

The radio receiver TRX is bidirectional. The device includes a transceiver (TRX), which can send and receive. If an emergency call is triggered by a radio transmitter, the receiver sends an acknowledgment of receipt to the sender. However, this assumes that the transmitter is also bi-directional.

Connection

The radio receiver TRX is connected via the RJ45 Western plug to the wall socket.

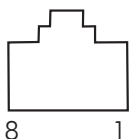


Fig. 1: Wall socket RJ45

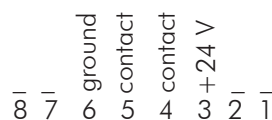


Fig. 2: Assignment of the wall socket

For operation, an additional power supply is necessary.

To pin 3 and pin 6 of the wall socket (see Figures 1 and 2), a DC voltage between +6 V and +24 V is applied. The plus pole is connected to pin 3 and the minus pole to pin 6.

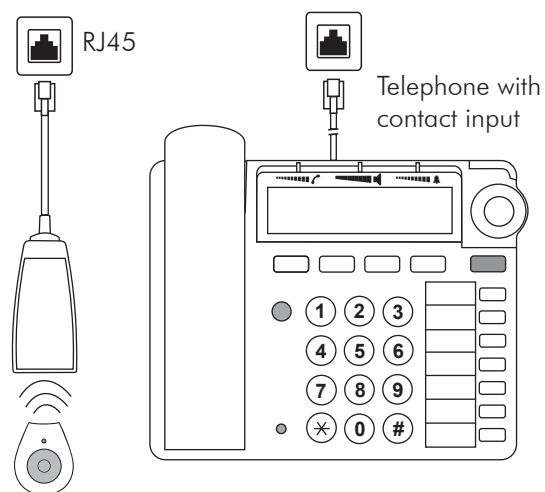


Fig. 3: Installation diagram for the radio receiver TRX

Operation modes

The radio receiver can be used in one of the following two modes:

“Targeted reception” mode

Up to 3 radio transmitters can be assigned to one radio receiver in any combination. The receiver only reacts to the calls from these assigned transmitters.

“General reception” mode

All radio transmitters which are present in the building can access the radio receiver if they are within its range.

Technical monitoring of the radio transmitters is only possible in “Targeted reception” mode. The battery of a logged radio transmitter is tested each time the transmitter is triggered. Every 8 hours, each logged radio transmitter automatically sends a daily message to the receiver.

Programming

Programming is carried out by pressing the centre, blue button, using a suitable tool. With each push of the button, a different wink pattern of the two LEDs appears.



Fig. 4 External radio receiver TRX

Technical data

Dimensions (WxDxH):	100 x 48 x 24 mm
Weight:	about 70 g
Housing material:	ABS
LED:	Red, Green
Frequency range:	European Social Alarm Frequency 869,2 MHz
Coverage:	up to 250 m outdoors up to 30 m in buildings
Power supply unit:	9 V DC 300 mA
Operating temp.:	0 to +40 degrees Centigrade
Storage temp.:	-5 to +70 degrees Centigrade

External radio receiver TRX
Color of the receiver: Light grey

*Subject to modifications.
Product color similarly to the illustrations.
Doc.-version: Rev-01*