



BENEFITS

Advanced radio repeater unit

A-TREP v2 is a unit designed to expand the coverage of RF devices in residential care environments. When a signal from a radio transmitter is received, it is forwarded by A-TREP v2 with a higher output power level.

This device guarantees that all alarms reach their destination without any limitation regarding the size of the center, structures and materials used. Its coverage is up to 2.5 km in free-field condition in the EU frequency, 869.4 MHz

The unit may be configured to retransmit either all radio signals or up to eight radio signals with preprogrammed codes.

Focus on safety

A-TREP v2 has a self-rechargeable battery that comes into operation of the service for up to 72 hours. Once the supply is restored, the battery is charged again.

The unit continuously checks the status of both the battery and the power adapter and can be configured to send test alarms automatically to the destination units on a regular basis. These functionalities keep the unit always monitored, which allows immediate action against any failure.

KEY FEATURES

- Easy installation
- Backup battery
- Power failure alarm
- Regular test alarm
- Frequency for social alarms
- Transmission range up to 2.5 km in free field conditions

SPECIFICATIONS

Connection

A-TREP is connected through air as a repeater to one of our radio transmitters A-TRAX or INEX and then further on to our message server CMS.

Monitoring

The unit can be configured to send status information continuously.

Power supply

A-TREP v2 is normally powered by AC-adapter.

Safety

To be sure the device always works, even in case of a power failure, the A-TREP is equipped with a built-in battery.

Approvals

A-TREP uses the frequency 869MHz which is a frequency for social alarms selected and secured by EU. Using this involves minimal risk of interference. A-TREP v2 is in conformity with the directives:

- 2014/53/EU
- 2014/35/EU
- 2014/30/EU
- 2015/863

Radio Approvals

- EN 300220-1 v3.1.1
- EN 300220-2 v3.1.1
- EN 300220-3-1 v2.1.1

EMC Approval

- EN 301489-1 v2.2.1
- EN 301489-3 v1.6.1

Electrical Safety

- EN 60950-1:2006+A1+A2+A11+A12:2011

Technical data

- Size (WxHxD): 110x113x32 mm
- Power supply: 7.5 VDC, 0.45 A
- Power consumption max: 3 W
- Accumulator type:
 - NiMH 3.3 VDC, 400 mAh
- Frequency:
 - 869,2 MHz Category 1
 - 869,4 MHz Category 2
- Transmit power max:
 - 869.2 Mhz - 10 mW (EIRP)
 - 869.4 Mhz - 500 mW (EIRP)
- Temp. Range: +5 - +55 °C
- IP class: IP20

Part No.	Description
9009765	A-TREP v2 Repeater