

LK Repeater ICS

LK Repeater ICS is used to increase the transmission distance between the LK Room Thermostat ICS-RF and the LK Receiver Unit ICS-RF.

The repeater consists of a radio link with receivers and transmitters. A transformer that plugs into a 230V outlet comes with the repeater. The repeater is placed between the outer thermostat and receiver. Mount the repeater so that the radio link is vertical. The set-up may contain up to 4 sets of repeaters.



Adaptation of LK Repeater ICS

The repeater is connected as follows:

1. Switch the repeater off (if it is powered up).
2. Press the L-key for at least 3 seconds on the receiver unit. The L-LED should light green.
3. Connect the repeater to a 230 volt outlet.
4. Wait until the repeater starts flashing orange.
5. Confirm by pressing the L-key.

NOTE:

A non-adapted repeater flashes green every 3 seconds.

Advanced adaption of LK Repeater ICS

If the problem persists despite mounted and adapted repeater, you can "force" the radio signal from a remotely located thermostat to cross the repeater.

The function is activated by the thermostat which is affected by the transmission failure. Follow these steps to force the signal to cross the repeater.

1. Press *Mode* until flashes, confirm using *Mode*.
2. Select *RERO* using the right arrow key, confirm using *Mode*.
3. Wait until the display has returned to normal view.
4. Check the signal strength after about 10 minutes of operation.

If necessary, repeat for other thermostats.

Checking signal strength

Check signal strength on optional thermostat as follows:

1. Press *Mode* until flashes, confirm using *Mode*.
2. Press the right arrow until *RFST* (Radio Signal Strength) appears on the display, confirm using *Mode*. Allow the unit to stabilize for approx. 5 minutes.
3. Read the value. The device will automatically return to normal view after approx. 30 minutes.

A value under 21 requires further measures. Contact LK for more information.

Resetting of LK Repeater ICS

If necessary the repeater can be reset.

1. On the back of the repeater there is a small reset key.
2. Press the key for at least 8 seconds.
3. A red LED lights up and the device is restored to its original (factory) settings.

Technical data

Article name	LK Repeater ICS
Article number	2417321
Supply voltage	230 V AC
Radio frequency	868 MHz
Dimensions	120 x 35 x 30
Protection class	IP20
Operating temperature	+ 1 °C - + 50 °C
Storage temperature	- 20 °C - + 70 °C
Maximum humidity during storage	No condensation

This control equipment can be used in all EU and EFTA countries. The manufacturer states that the equipment meets the essential requirements and other relevant requirements from the R & TTE Directive 1999/5/EC.