

LK Repeater Cq HW

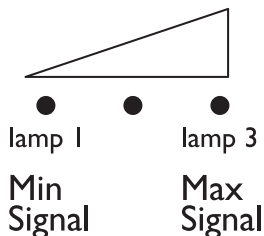
FUNCTION

The LK Repeater Cq HW is used to increase the transmitting distance between LK Room Thermostat Cq and LK Receiving Unit Cq. The Repeater is also used when it may be necessary to improve the quality of transmission, e.g. when affected by external sources of interference

- Works automatically without any programming.
- Two repeaters can be used in sequence.
- Receivers can be added to existing radio links.
- One repeater can be used for several existing radio links.
- Indication of the strength of the receiver signal via 3 LEDs.
- The repeater is to be mounted on the wall and wired to 230 V AC.

NOTE!
 The radio receiver may be installed only by a specialist in compliance with the circuit diagram enclosed in the top housing cover or in compliance with these instructions. The current safety regulations must be observed. In order to achieve class of protection II, adequate installation measures must be taken. This electronic device, which is looped into the connection lead, is intended for temperature control in dry and closed rooms only. This electronic device was created according to DIN EN 60730, it operates according working principle type 1.

FUNCTION OF THE LAMPS



Lamp "230V"	Main power on.
No lamp	No signal or very weak signal strength (not sufficient for reception of repeating).
Lamp 1	Low signal strength.
Lamp 2	Good signal strength.
Lamp 3	Very good signal strength.

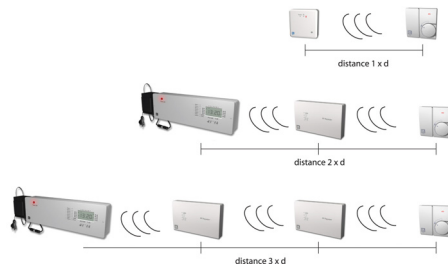


INSTALLING

The Repeater is intended to be mounted on the wall. Dismount the cover by using the snap fix on the left side. Connect 230V AC in compliance with the circuit diagram (see this folder or inside the cover of the Repeater). The Repeater starts to operate as soon as voltage is connected. There is no user action needed to add the device into existing radio links.

LOCATION

The repeater should be located at an appropriate distance from the transmitter. The correct distance is reached when both lamps 1 and 2 are lit.

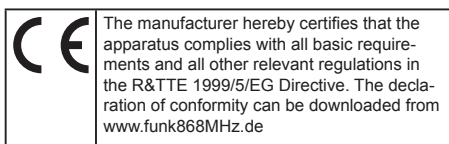


NOTE!
 No more than 2 repeaters can work in sequence. For example, if the normal distance in the environment is 30 m, this distance can be increased to 90 m using 2 repeaters.

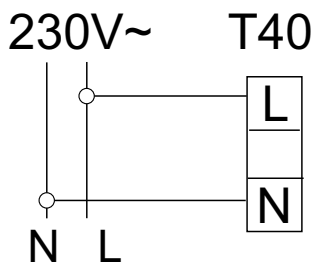
FUNCTION TESTING

When lamp 2 or/and 3 are lit, the repeater is working correctly. The lamps only light when a radio transmission is taking place. If there is only one transmitter, this will normally take place every 10th minute. The temperature of the transmitter may be set to its maximum value in order to force a radio transfer. After a short while, the lamps should subsequently indicate a radio transfer. By switching between the minimum and maximum value on the transmitter, repeated radio transfers can be created. After a test has been carried out, the transmitter is reset to the required normal temperature.

LK Repeater can be used in all EU and EFTA countries.



WIRING DIAGRAM



TECHNICAL DATA

Operating voltage	230 V~ (195 to 253 V) 50/60 Hz
Power consumption	< 1,5 W
Working temperature	0 to +40°C
Storage temperature	20 to +60°C
Aerial	Internal
Frequency	868,95 MHz
Software class	A
Degree of pollution	2
Shock load voltage	2,5 KV
Balltest temperature pressure limit	75°C
Satisfies EMC requirements	230V
Degree of protection	IP 30
Class of protection	II
Dimensions WxHxD	W128xH75xD29(incl spacer frame D=37mm)
Weight	140g