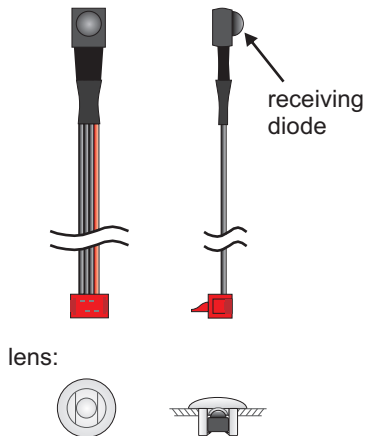


Infrared receiver for LCN

The LCN-RR is an Infrared receiver for the I-connection on all intelligent LCN modules.



The IR sensor is only for operating in the inside of buildings (IP20). It must be protected against dampness and direct sunlight leads to a reduction in the range from the remote control.

The installation of the LCN-RR can be carried out behind a switch panel or something similar. For this purpose a drilled hole about 10 mm. is necessary. The supplied lens is pressed into the drilled hole from the front. The LCN-RR is then inserted with the receiving diode into the lenses retaining clips.

Note

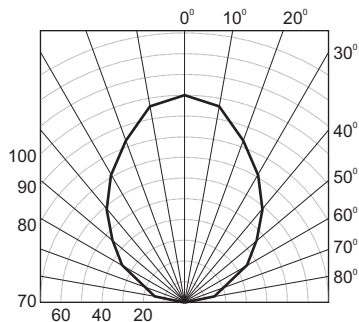
The thickness of the panel material should not exceed more than 3mm. With materials like copper, aluminium etc., the drilling should be around 10,5 mm., if necessary, the lens can be secured with the supplied snap ring.

Included in delivery

LCN-RR, lense & snap ring.

Sensitivity

reception angle



receiver performance in %

The receiving performance of the LCN-RR depends on the strength of the sent signal and the reception angle.

The signal of an LCN-RT has a range of over 10m with a reception angle of 0°.




However with an angle of 45°, the LCN-RR will only react when the LCN-RT has a maximum distance of 7,5 metres.

In bright inside rooms, the reflections from ceilings and walls are normally enough.

As a comparance: The LCN-RT16 has a range of up to 100m. with a reception angle of 0°.

With bright environmental light, the range will be reduced, see page 3!

Notes:

-  Bright environmental lights especially fluorescent lamps reduce the range of the remote controls. When strong light sources are available (e.g. direct sunlight or similar), shading the LCN-RR is recommended.
-  The LCN-RR must be protected against dampness and mechanical stress (IP20).
-  The I-connecting flat cable can be extended up to 50m. with 2 LCN-IV/-IVH. See also "TD I-port periphery" ([www.LCN.de / Downloads](http://www.LCN.de/Downloads)).

Technical data

operating frequency: 40kHz

general datas:

operating temperature: -20°C bis +60°C
air humidity: max. 80% rel., non condensing

environmental conditions: use as stationary installation

protection art: IP 20

dimens. diode (B x D x L): 6 mm x 6 mm x 7 mm

cable: 30 cm

dimens. lens (H x Ø): 13 mm x 14 mm

drilling for installation (Ø): 10 mm

Technical information and images are non binding. Changes are reserved.
Technical hotline: +49 5066 998844 or www.LCN.de