IRE-U-LC

General

The IRE-U-LC infrared receiver works with a carrier frequency of 36kHz and is the link between the IRS-55T-LC infrared handheld transmitter and the subnet. IRE-U-LC receives codes from the handheld transmitter and forwards them to the master module in digital format. The information then comprises the receiver's address and the channel number transmitted by the handheld transmitter. This lets the master know exactly which key code is received from which receiver. Using software you can then easily assign different circuits to a handheld transmitter (with the same keys) simply by detecting from which receiver (room) the signal is coming.

Note: when using fluorescent lamps with electronic ballast and adjustable fluorescent lamps we recommend the superior under-plaster IRE-U receiver with 455kHz carrier frequency!

Function displays

- 1 flashing green LED signalise the recipience of an IR command

Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)

Design

- Under-Plaster cover, pure white

Special function DIP switch 1

- Baudrate
  - switch OFF data transmission rate 38400 Baud
  - switch ON data transmission rate 9600 Baud

Technical data

Type	IRE-U-LC
Art. Nr.	80040155
Operating voltage	12-26V DC
Current consumption	max. 12mA at 24V
Carrier frequency	36kHz
Range	frontally 15m at normal conditions in the internal area to 2000 lx frontally 10m to 5000 lx frontally 5m at direct sun glare to 80000 lx The range can decrease when using fluorescent lamps with EVG on 4m.

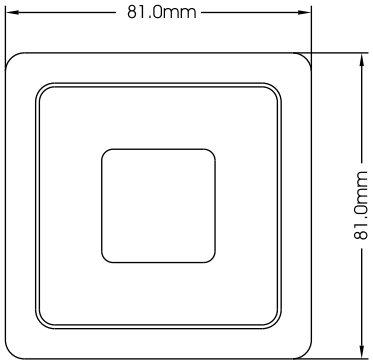
Technical data

IRE-U-LC	Continued
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	DxT, 51x26mm, cover 80x80mm
Weight	30g
Connection	Screw terminals
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0...85 % r.F. non condensing
Protection grade	IP00, otherwise depending upon cover.
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

Sh.	Free
≅ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

View



Wiring diagram