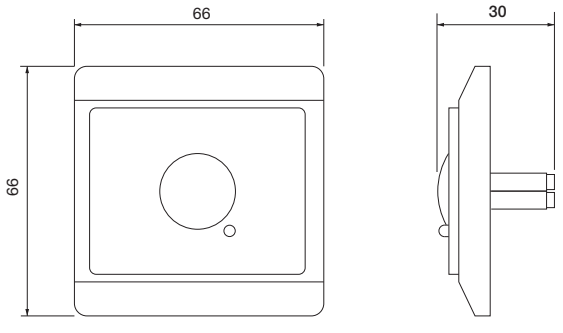
General Specifications

Principle of transition	Infrared light 950 nm
Wave frequency	38 kHz
Coding	PPM-code (Pulse Position Modulation)
Length of Telegram	12 bit
Channel coding cable: GAP-THP-CAB	By BGP-COD-BAT and special
No. of channels	8
Enclosure	LKNES OPUS Mechanics
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	0 - 50 °C (32 - 122°F)
Storage temperature	-20 - 70°C (-4 - 158°F)
Humidity (non condensing)	20 - 80%
Weight	50 g
Dimensions	66 x 66 x 30 mm (including frame)
Max. wire in terminals	Max. 2 x 0.5 mm2

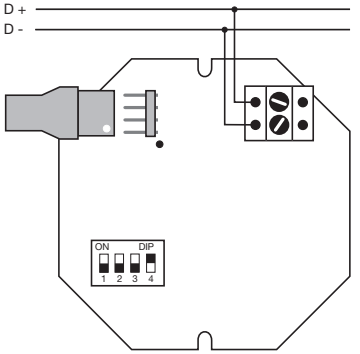
Supply Specifications

Power Supply	Supplied by smart-house
Rated operational current	4 mA

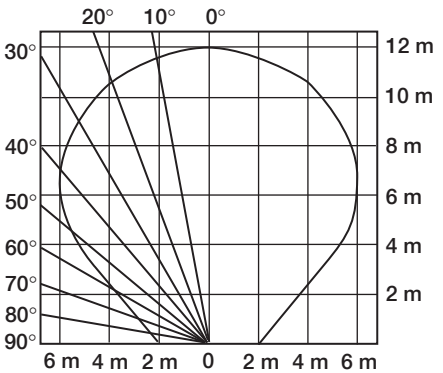
Dimensions



Wiring Diagram

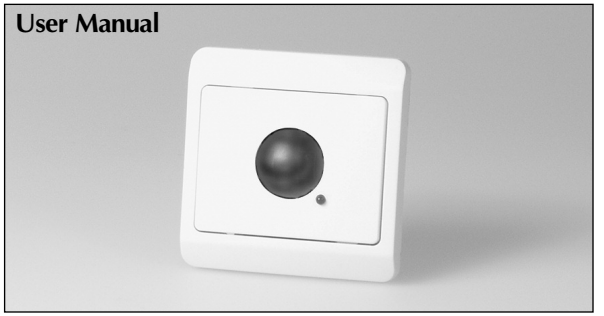


Radiation Diagram



smart-house

User Manual



Opus IR-receiver

Type BOW-IRXSTD8

smart-house

Over Hadstenvej 40, DK-8370 Hadsten
Phone +45 89606100, Fax +45 86982522

Certified in accordance with ISO 9001

MAN BOW-IRXSTD8 rev.11-03.08

15-029-331

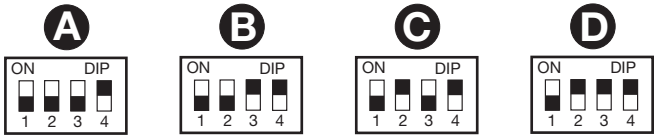
Mode of Operation

The IR remote control system is a system component for the smart-house installation bus. It consists of two modules: an 8-channel IR-receiver (smart-house transmitter) and an 8-channel handheld IR transmitter.
The IR-receiver is supplied by smart-house, which eliminates the need for further connections, and is intended for building into flush-type switch boxes. The IR-receiver can transmit on eight smart-house channels, and the address coding is performed by means of the programming unit BGP-COD-BAT through the rear-mounted modular plug connection. The handheld IR-transmitter has eight keys for activation of the eight channels. By means of a rotary switch, it is possible to preset channel groups A to H of the corresponding receiver, which means that a handheld transmitter can activate up to 64 channels. (See: Internal IR Address Settings). The handheld transmitter features a text writing facility at the back.

Start-up
Address coding of the IR-receiver (smart-house transmitter) can take place before or after start-up. In either case, the bus cable must be connected at the screw terminal on the back of the receiver (1=Signal, 2=Ground). The IR-receiver should be mounted in the specified direction in the switch box, in order to achieve optimum receiving characteristics.
The handheld IR-transmitter must be equipped with four batteries type Micro cell size AAA. The transmission with IR systems only works when quasi-visual contact exists between transmitter and receiver within the transmission range. Often reflection reception is also possible. Transmission cannot take place through walls or windows. Therefore a suitable place for mounting must be selected.

Internal IR Address Settings

IR address:



IR address: