

BOW-IRXSTD8

IR Receiver for handheld infrared remote controller BSJ-REMSTD64
8 channel smart-house transmitter for indoor applications
Designed and coded for BSJ-REMSTD64
Channel coding by BGP-COD-BAT
Supplied by smart-house



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	By BGP-COD-BAT and special cable: GAP-THP-CAB
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 mm ²

SUPPLY SPECIFICATIONS

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

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).

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.

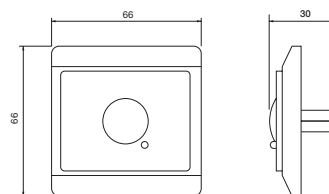
TYPE SELECTION

Supply	Ordering no.
smart-house supplied	BOW-IRXSTD8

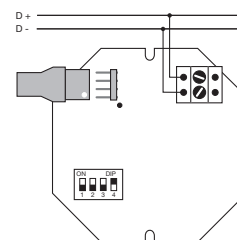
ACCESSORIES

Programming cable to BGP-COD-BAT	GAP-TPH-CAB
OPUS wall-mounting box	87-012

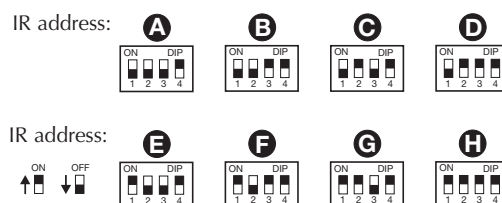
DIMENSIONS (mm)



WIRING DIAGRAM



INTERNAL IR ADDRESS SETTINGS



RADIATION DIAGRAM

