

IR Receiver Type G 8285 5532



- IR Receiver for handheld infrared remote controller G4085 5562
- 8 channel Dupline® Transmitter
- Indoor applications
- Designed and coded for G4085 5562
- Dupline® input
- Channel coding by GAP 1605
- Addressable
- Supplied by Dupline®

Product Description

The IR receiver is designed and coded for Dupline® IR remote controller G 4085 5562. By means of the programming unit GAP 1605 and cable GAP-TPH-CAB, each of the 8 channels in the IR

receiver can be coded to a freely selected address. The IR receiver activates the set Dupline® channel as long as the corresponding button on the IR transmitter is pressed.

Ordering Key

G 8285 5532

- Type: Dupline®
- Remote IR Receiver Housing
- IR Accessories
- 8 Channels
- 8 inputs
- Dupline® Transmitter with IR Input

Type Selection

Supply	Ordering no.
Dupline® supplied	G 8285 5532

Supply Specifications

Power Supply Rated operational current	Supplied by Dupline® 4 mA
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General Specifications

Principle of transition Wave frequency Coding	Infrared light 950 nm 38 kHz PPM-code (Pulse Position Modulation)
Length of Telegram	12 bit
Channel coding	By GAP 1605 and special cable: GAP-THP-CAB
No. of channels	8
Enclosure	LKNES OPUS Mechanics
Environment Degree of protection Pollution degree Operating temperature Storage temperature	IP 20 3 (IEC 60664) 0 - 50 °C (32 - 122°F) -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

Mode of Operation

The IR remote control system is a system component for the Dupline® installation bus. It consists of two modules: an 8-channel IR-receiver (Dupline® transmitter) and an 8-channel handheld IR transmitter.

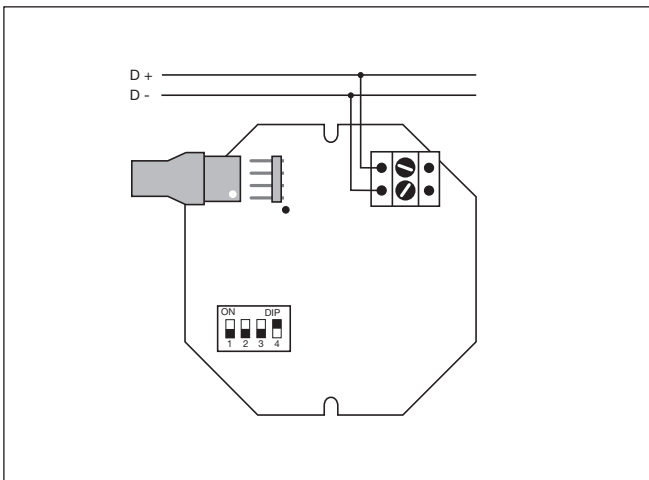
The IR-receiver is supplied by Dupline®, which eliminates the need for further connections, and is intended for building into flush-type switch boxes. The IR-receiver can transmit on eight Dupline® channels, and the address coding is performed by means of the programming unit GAP 1605 through the rear-mounted 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

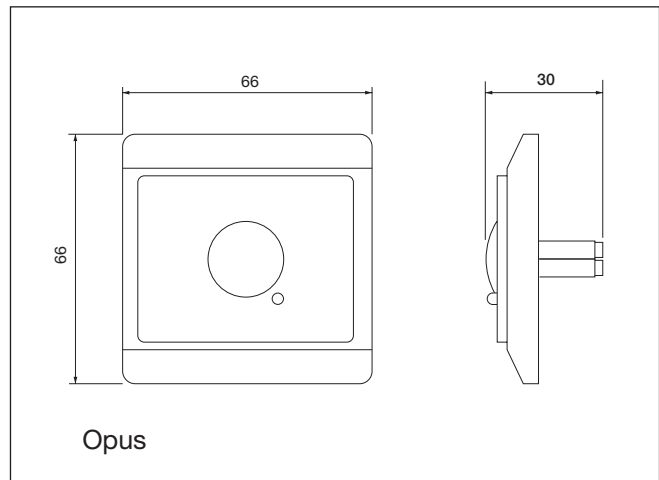
Address coding of the IR-receiver (Dupline® transmitter) can take place before or after start-up. In either case, the bus cable must be connected at the screw terminal on the back of the receiver (1=Signal, 2=Ground). The IR-receiver should be mounted in the specified direction in the switch box, in 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.

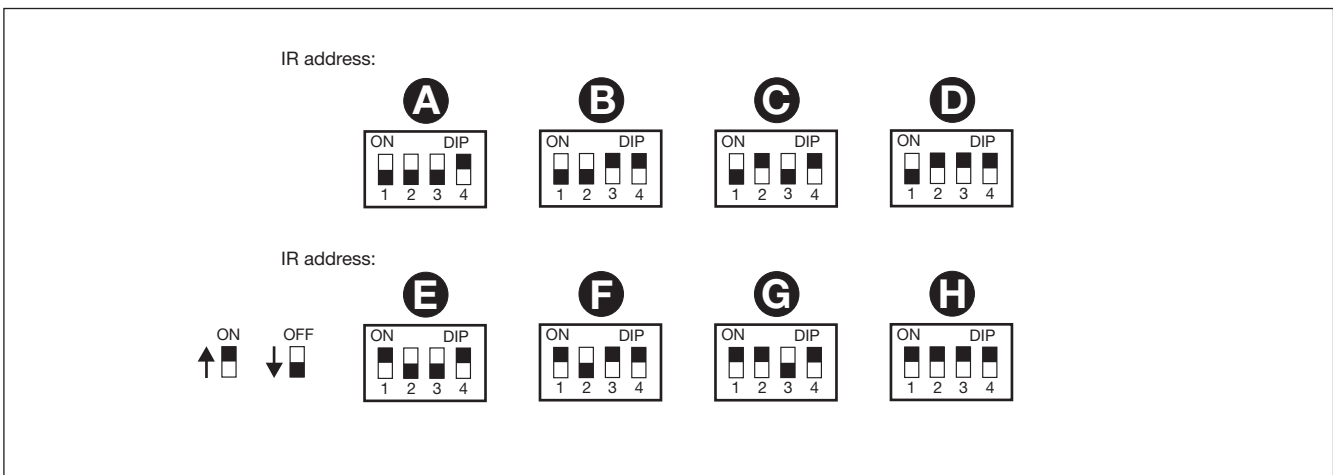
Wiring Diagram



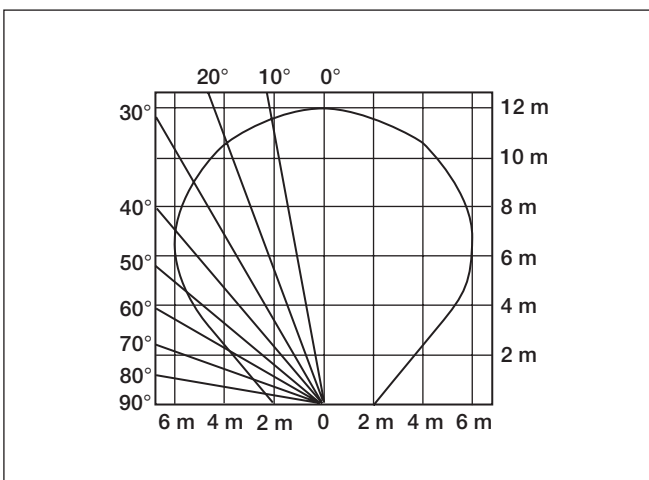
Dimensions



Internal IR Address Settings



Radiation Diagram



Accessories

Programming cable to GAP 1605	GAP-TPH-CAB
Opus wall-mounting box	87-012