

# IR Remote Controller Type G 4085 5562



- Handheld infrared remote controller
- 8 channel transmitter (possible to increase the number of channels to 64)
- Designed and coded for G 4185 5531 and G 8285 5532 IR receiver
- Operating distance: 15 m
- Supplied via 2 x 1.5 V micro batteries (AA)

## Product Description

The Dupline® IR Remote Controller is designed and coded for Dupline® IR receiver G 4185 5531 and G 8285 5532. The controller has as standard 8 channels, but can via more Dupline® IR receivers control up to 64 Dupline® channels through the keyboard on top of the remote control. Select by push-button A-H which group should be used. Then select by push-button 1-8 which digit should be

activ/deactive. It is important to stress that pushbuttons A-H have nothing to do with Dupline addressing. In order for remote control and receiver to communicate, the "activation group" representing the individual receiver unit must be selected. See datasheet for IR-receiver G41855531 or G82855532 for further information.

## Ordering Key

**G 4085 5562**

- Type: Dupline®
- Remote IR Transmitter Housing
- IR Accessories
- 8 Channels
- 8 output
- Handheld IR Transmitter

## Type Selection

Supply	Ordering no.
Batteries	G 4085 5562

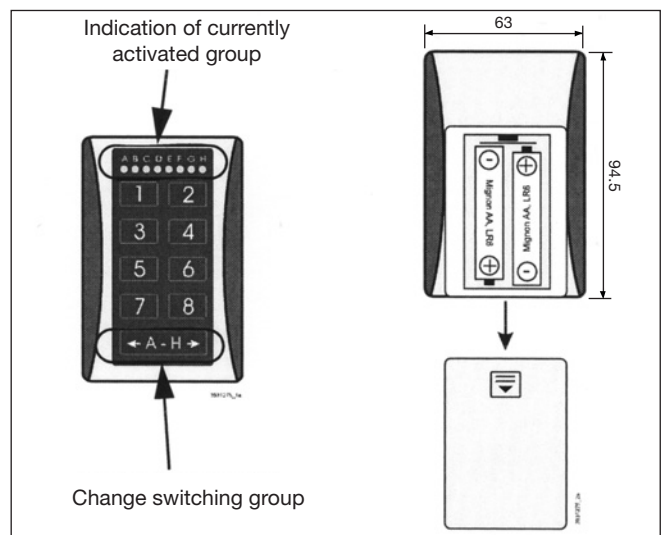
## Supply Specifications

Batteries	2 x 1.5 V (LR06) size AA
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## General Specifications

Principle of transmission	Infrared light 950 nm
Wave frequency	38 kHz
Coding	PPM-kode (Pulse Position Modulation)
Length of telegram	12 bit
No. of channels	8 (64 via more IR-receivers G 4185 5531 and G 8285 5532)
Operating distance	15 m

## Dimensions



## Mode of Operation

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

The IR-receiver is supplied by Dupline<sup>®</sup>, 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<sup>®</sup> 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 push-button A-H, 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. The 64 channels are NOT Dupline addresses, but an internal coding between transmitter and receiver. See datasheet for IR-receiver G4185531 or

G8285532 for further information. The handheld transmitter features a text writing facility at the back.

### Start-up

Address coding of the IR-receiver (Dupline<sup>®</sup> 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 two batteries type LR06 size AA. 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.