motionDOT

dilitronics
smartly driving LED

- **DALI motion sensor interface**
- **Controlling of DALI groups or DALI broadcast commands**
- **To upgrade any conventional motion sensor**
- **Multi-controller capability**

Operating Instruction

01. Safety and installation notes

⚠ The DALI bus possibly is not subject of the requirements of Safety Extra Low Voltage (SELV). So the mounting and installation of the motionDOT must be carried out only by qualified electricians.

⚠ Never work on the system with applied voltage. Hazard-mortal danger!

Please read instructions before starting implementation

⚠ Ensure that the power supply of the DALI bus is turned off.

02. General information

The motionDOT module allows to convert switching signals of the motion sensor into DALI switching commands to DALI group addresses or as a broadcast*. To use this module, commercially available motion sensor can be connected.

*A DALI broadcast command addresses all devices that are connected to a DALI network.

CE The CE Declaration of Conformity can be downloaded from the website www.dilitronics.com.

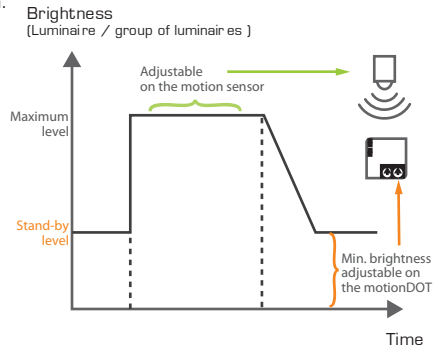

Fig. 1

03. Mounting

Place the motionDOT in the installation socket. Make sure that no wires are bent and the screws do not damage any wires.

04. Connection

Connect the blue cable of the motionDOT to the switch output marked by „N“ of the motion sensor. Connect the black cable of the motionDOT to the switch output marked by „L“ of the motion sensor. Connect the two orange connection cables of the motionDOT module to the DALI bus. The polarity of the DALI bus is not important for this.

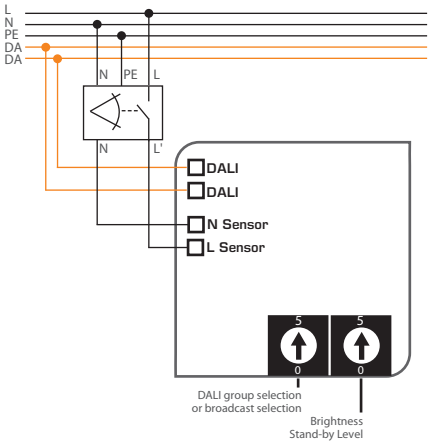

Fig. 2

05. Selection of the command receiver

If the switch position “0” of the rotary switches is at the bottom, as shown in Fig. 2, the left rotary switch is used for setting the DALI address.

Left Switch position:

0-7: Via these numbers, one of the 8 addressable groups can be accessed by the motion sensor.

8: Via this number the motionDOT is defined for sending commands as broadcast.

Switch position of the left rotary switch	Motion sensor sends commands to
0	G0 (group)
1	G1 (group)
…	…
7	G7 (group)
8	Broadcast
9	collision check mode**

⚠ **The DALI standard demands the implementation of collision check modes for multi-master control units. In normal operation, the „9“ position of the switch must be absolutely avoided, because otherwise the DALI bus is completely occupied by test messages and another communication is not possible!

06. Selection of the brightness in stand-by level

If the switch position “0” of the rotary switches is at the bottom, as shown in Fig. 2, the right rotary switch is used for setting the brightness level to which the luminaire or a group of luminaires will be dimmed after the motion sensor is switched off again (stand-by level).

Switch position of the right rotary switch	DALI-brightness of the luminaire(s) Stand-by level
0	0 (luminaire(s) is (are) switched off
1	25
2	50
3	75
4	100
5	125
6	150
7	175
8	200
9	225

07. Configuration of the motion sensor

Now you can configure the conventional motion sensor.

08. Disposal of electrical waste

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When you see the crossed-out wheeled bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences for the environment and human health.

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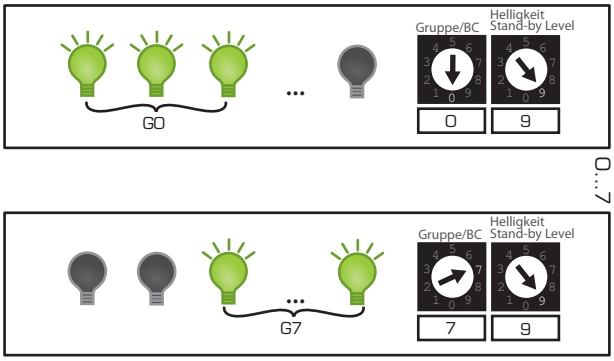
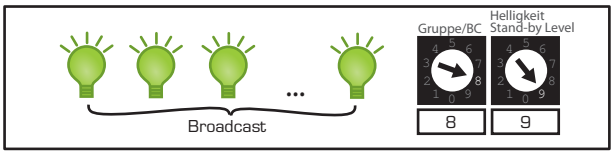
motionDOT Schnellstart

- **Konfiguration**

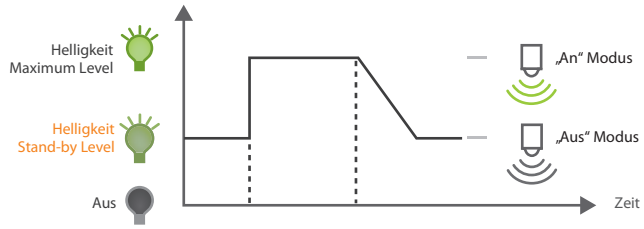
- **Adressierung einer Leuchtengruppe**

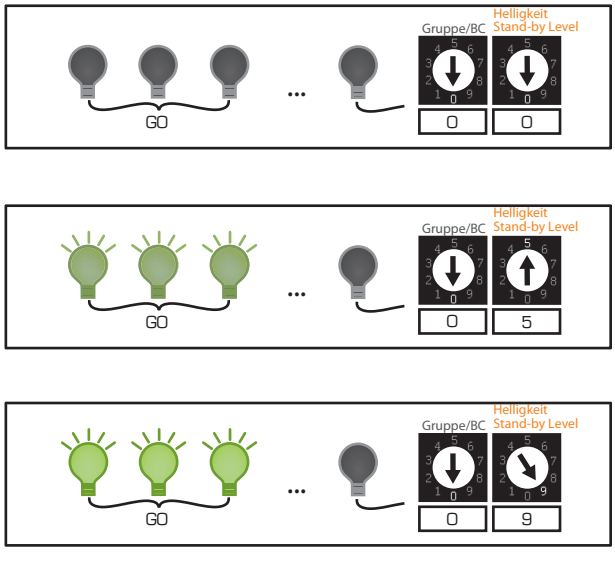


- **Adressierung aller Leuchten / Broadcast**



- **Auswahl der Helligkeit im Stand-by Level des Bewegungsmelders**

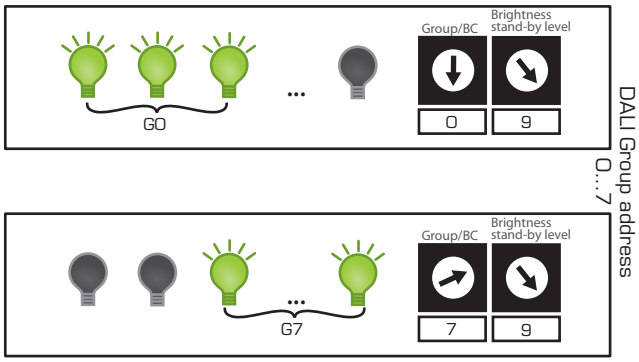




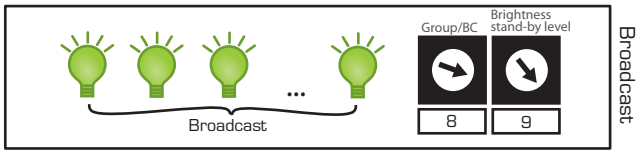
motionDOT Quickstart

- **Configuration**

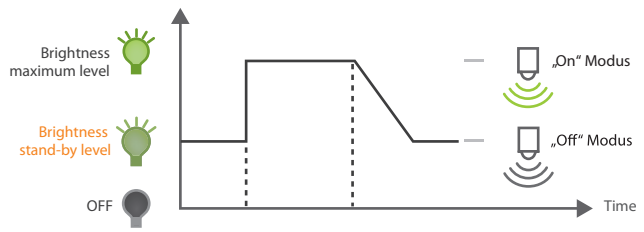
- **Addressing of a group of luminaires**



- **Addressing of all luminaires / broadcast**



- **Adjustment of the brightness after the motion sensor switchs off (stand-by level)**



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