



OccuSwitch DALI Commissioning Guide

with the IRT9090

PHILIPS

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! Attention
Always keep pointed to OccuSwitch DALI sensor

! Attention
Lights will always flash once after every successful change

! Attention
Only buttons used for commissioning OccuSwitch DALI are described in this document.

Calibrate the light level

- 1 Push "up" or "down" to set the required light level
- 2 Press "save"



Attention

Always calibrate the installation



Attention

Calibration must be done at night and office must be furnished

Setting the modes

- 1 Press "Mode"
- 2 Select 1 - 9
To select 10 press
"1" and "0"
- 3 Press "Send"
- (4) (Check mode)



Mode	Application
1	cell m/s
2	open plan m/s
3	classroom m/s
4	open plan t/w
5	cell t/w
6	corridor
7	toilets
8	meeting room
9	open plan m/s
10	custom

DALI function assignment

- 1 Press "DALI"*
- 2 Wait for a luminaire to flash
- 3 Select function for this luminaire
 - 1 = window
 - 2 = corridor
 - 3 = additional presence
 - 4 = additional absence
- 4 Repeat for next flashing luminaire
- 5 When finished all luminaires flash once

* = to abort the procedure, press the DALI button once again.



Change Background level

- 1 Press "background"
- 2 Select min - 70%
- 3 Press "Send"



Mode	Application	Background Factory default
1	cell m/s	
2	open plan m/s	20% (all lights)*
3	classroom m/s	
4	open plan t/w	Preset 1**
5	cell t/w	
6	corridor	20% (all lights)*
7	toilets	Preset 1**
8	meeting room	
9	open plan m/s	20% (all lights)*
10	custom	Preset 1**

* = default

** = workspace

Change power-up state

- 1 Press "power-up"
- 2 Select on/off status
- 3 Press "Send"



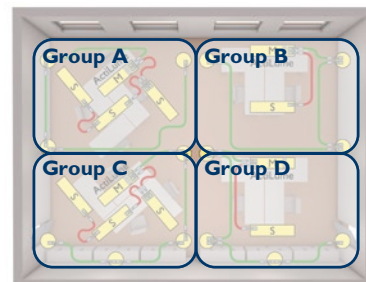
Mode	Power-up (factory default)
1	off
2	off
3	off
4	off
5	off
6	on
7	on
8	off
9	on
10	on

off = wait 20 sec → light
on = wait 0.5 sec → light

IR group addressing

- 1 Press "IR group"
- 2 Select group A - G
- 3 Press "Send"

Set IR group remote control



Movement test

- 1 Press "test"
OccuSwitch DALI will now
operate 10x faster than normal.
MD timer = 30sec fixed
- 2 Press "test" to stop
(automatic stop after 60s
no movement)



Back to basic setting (mode 1)

- 1 Press "reset"
- 2 Press "Send"



Set BMS Group Address

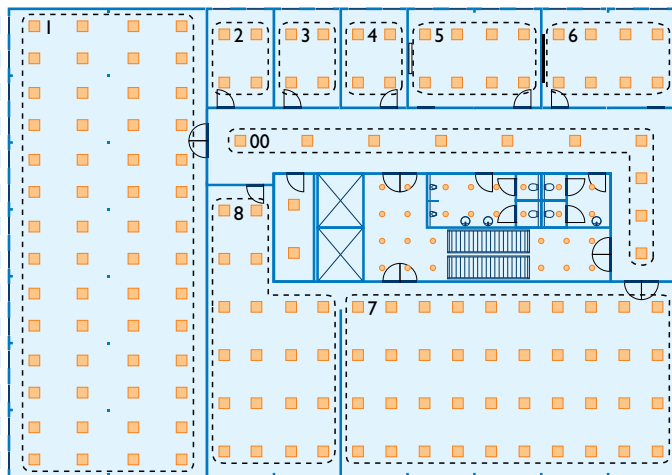
- 1 Press "Group"
- 2 Press the number keys to set group numbers.



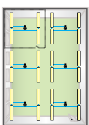
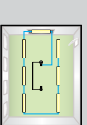
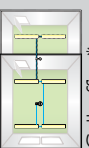
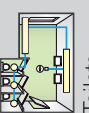
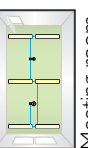
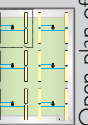
Note: Group numbers are 00 (for Group 0) to 15 (for Group 15).

Note: The corridor group must also include all the other surrounding group numbers - see diagram below.

Note: To clear all the group addresses, press "9" twice.



Mode overview (default settings)

Mode	Application	Occupancy	Smart timer (minutes)	Background period (minutes)	Daylight override	Daylight dependent regulation	Daylight dependent switching	Parallel link period (Advanced only)
1	 Cell office (default)	Auto ON/OFF	10	0	Window only	Window / corridor	Window only	Local occupancy
2	 Open plan office	Auto ON/OFF	10	120	Window only	Window / corridor	Window only	Local occupancy
3	 Class room	Manual ON/auto OFF	10	0	N.a.	Window / corridor	Window / corridor	Local occupancy
4	 Open plan*	Disabled	10	0	N.a.	Window / corridor	Window only	N.a.
5	 Cell office*	Disabled	10	0	N.a.	Window / corridor	Window only	N.a.
6	 Corridor	Auto ON/OFF	10	60	Window / corridor	Window / corridor	Window / corridor	Local occupancy
7	 Toilets	Auto ON/OFF	0	15 (portal only)	Disabled	Disabled	Disabled	Local occupancy
8	 Meeting room	Manual ON/auto OFF	10	0	Disabled	Window / corridor	Window only	Local occupancy
9	 Open plan office**	Auto ON/OFF	10	Infinite	Window only	Window / corridor	Window only	Background lighting
10	 Custom	N.a.	N.a.	N.a.	N.a.	N.a.	N.a.	N.a.

* Equals mode 1 and 2, but without MD active. Do not use these modes for normal applications.

** This mode works differently in the advanced (LRM2080) version. Here the lights will switch off (the basic never switches off) when none of the advanced OccuSwitch DALI units in the parallel network detect movement. If one, or more, do detect movement all other units will go to background level.

Contact

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