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Using DIGIDIM 303 Remote with iDim

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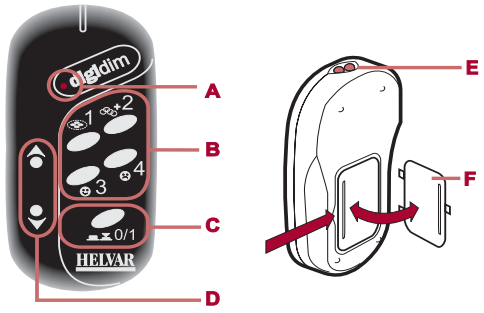
Introduction

The DIGIDIM Remote (303) can be used in conjunction with the iDim Sense to modify the preset light levels, recall/store scenes and activate special functions (100hr Burn-In, PIR Walk test and Mode Identification). *See iDim User Manual (D004735) available from www.helvar.com for more information.*



A. LED Indicator (Flashes as each message is transmitted)
B. Scene Recall/Configuration
C. 0/I/Shift
D. Modifier Keys
E. Transmitter
F. Battery Cover

Note 1: Two AAA batteries (not included) should be installed before you can use the Remote control. Observe correct polarity as indicated on the interior of the battery compartment.
Note 2: Throughout this document 'Controller' refers to iDim Sense and/or DIGIDIM Button Panels.

1. Switch Lights On / Recall Scenes using DIGIDIM 303 Remote

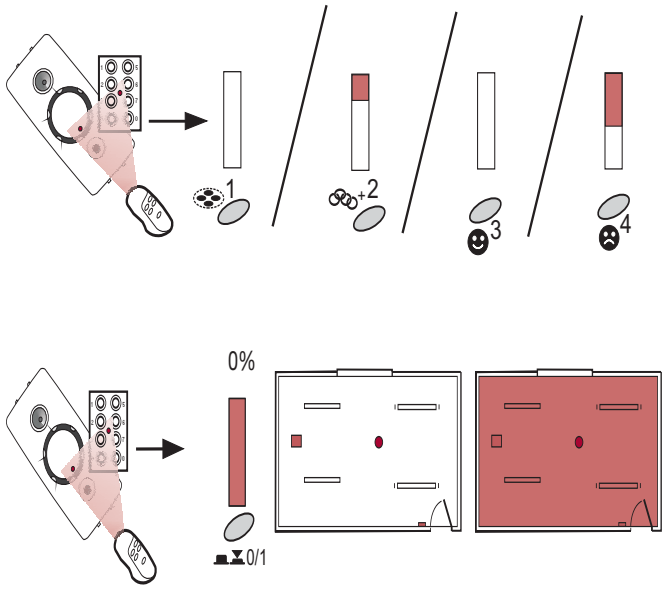
To switch the lights on / recall scenes using the DIGIDIM remote:

1.1 Point the remote at a controller
1.2 Press scene key 1, 2, 3 or 4 to recall the required scene.

To switch the lights off using the DIGIDIM remote:

1.3 Point the remote at a controller
1.4 Press 0/I/Shift key on remote control to switch the lights off

When lights are switched off via a Remote, Switch or Panel; a 90 second exit delay will be started. During this time any PIR movement will extend the delay. The exit delay will be cancelled when a new scene is manually selected.



2. Modify Light Levels using DIGIDIM 303 Remote

DALI 1 and DALI 2 scenes operate as a combination of Constant Light (CL), Fixed Light (FL) and Offset dependent on the iDim mode and scene selected. It is possible to modify the DALI 1 and DALI 2 levels using the DIGIDIM 303 Remote. The adjusted levels will only be temporary unless they are stored into the already selected scene.

For example:

- If DALI 1 is a Constant Light Scene then modifying the levels will cause the Constant Light target level to be modified.
- If DALI 1 is a Fixed Light scene then the Fixed Light level will be modified.
- If operating in Constant Light + Offset mode, the DALI 2 level will also be affected if DALI1 is modified.

Please refer to table 1 overleaf for default DALI 1 and 2 scene setup for each iDim Mode.
Other advanced configuration such as configuring the bright out level is only possible using the iDim Studio software.

2. Modify Light Levels using DIGIDIM 303 Remote (continued)

Table 1: Default DALI 1 and DALI 2 Constant Light, Fixed Light and Offset configuration for the six iDim modes.

		 CLASS-ROOM	 SINGLE OFFICE	 OPEN PLAN OFFICE	 CORRIDOR LINK	 CORRIDOR HOLD	 MEETING ROOM
iDim Controller **Scene 1**	DALI 1	CL[1]	CL[1]	CL[1]	FL (100%)[1]	CL	CL
	DALI 2	Offset[1]	Offset[1]	Offset[1]	FL (100%)[1]	Link to Corridor [2]	See notes below [3]
iDim Controller **Scene 2**	DALI 1	CL[1]	CL[1]	CL[1]	FL (70%)[1]	CL	-
	DALI 2	Offset[1]	Offset[1]	Offset[1]	FL (70%)[1]	Link to Corridor	FL (100%)
iDim Controller **Scene 3**	DALI 1	FL (100%)	FL (100%)	FL (100%)	FL (40%)[1]	FL (100%)	-
	DALI 2	FL (100%)	FL (100%)	FL (100%)	FL (40%)[1]	Link to Corridor	FL (0%)
iDim Controller **Scene 4**	DALI 1	FL (40%)	FL (40%)	FL (40%)	FL (10%)[1]	FL (40%)	FL (40%)
	DALI 2	FL (40%)	FL (40%)	FL (40%)	FL (10%)[1]	Link to Corridor	FL (20%)

***Table Information**: In this table 'iDim Controller' refers to Remote Control, Switches and Panels unless specified.*

[1] iDim Solo SW1 and SW 2 are switch-control inputs. In modes where DALI 2 is "offset" from DALI 1 and in Corridor Hold mode, they control the level of both DALI 1 and DALI 2.
[2] In Corridor Hold (Mode 5) DALI 2 is only used to connect an office to the corridor.
[3] In Meeting Room (Mode 6), iDim Solo SW1 input operates DALI 1 CL / Off and SW2 input operates DALI 2 FL (100%) / Off; as SW1 is located at the entrance of a room, switching off SW1 will cause both DALI 1 and DALI 2 circuits to go off.

When modifying the constant light target levels for your system, it is advisable that the process is undertaken in a darkened room or during dusk as excessive natural light may result in levels being recorded by the sensor that are not actually achievable.

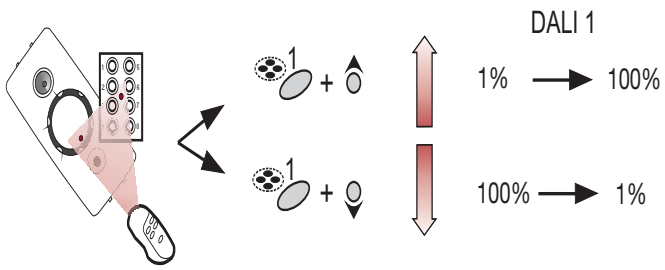
To modify light levels using the DIGIDIM remote:

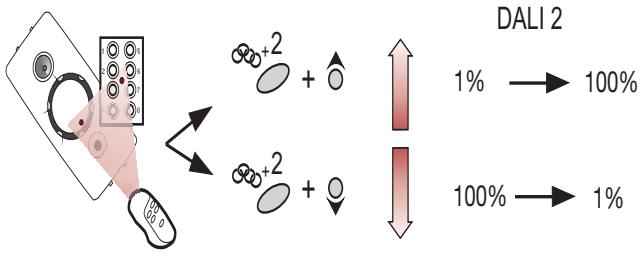
2.1 Point the remote at a controller
2.2 Select the scene you wish to modify
2.3 Press 1 + Up modifier key to raise DALI 1 light level
2.4 Press 1 + Down modifier key to lower DALI 1 light level
2.5 Press 2 + Up modifier key to raise DALI 2 light level
2.6 Press 2 + Down modifier key to lower DALI 2 light level

Note 1: If you intend to store the modified levels, ensure the required scene number is selected before modifying.

Note 2: Scene 1 is the default 'on' scene selected by PIR movement and Solo SW1 and SW2.

Note 3: When operating in Constant light + Offset mode, the DALI 1 and DALI 2 levels will both adjust together.





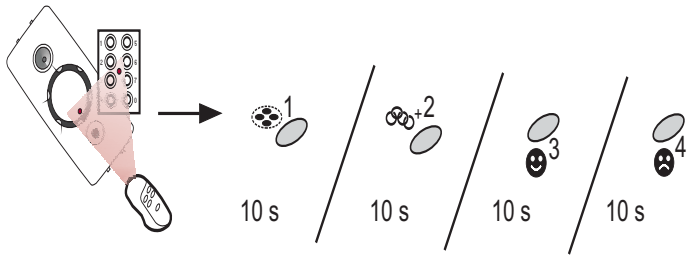
3. Store Selected Scenes using DIGIDIM 303 Remote

To store levels into the selected scene using the DIGIDIM remote:

3.1 Point the remote at a controller
3.2 Hold the already selected scene key (1, 2, 3 or 4) for 10 secs to store scene. iDim Sense LEDs flash green if successful.
3.3 The iDim Sense will automatically enter User Defined mode when storing scenes.

To exit User Defined mode and restore default settings hold key 3+4 for 10 seconds.

Note: It is not possible to use switch inputs to store scenes because a long button press of a switch is used to adjust levels.



Note: See LED Feedback table on final page of this document for LED information.

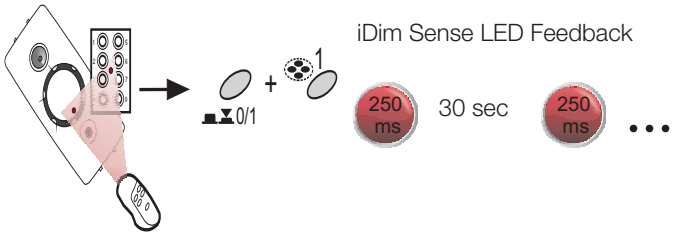
4. Special Functions using DIGIDIM 303 Remote

Start/Stop 100 hour Burn-In Mode

To start or stop Burn-In mode:

4.1 Point the remote at a controller
4.2 Press 0/I/Shift key and scene 1 at same time

*Note: Restarting a Burn-In test following a stop will cause the 100 hour counter to restart from 0. Use **Resume Burn-In Mode** to continue a stopped Burn-In test.*

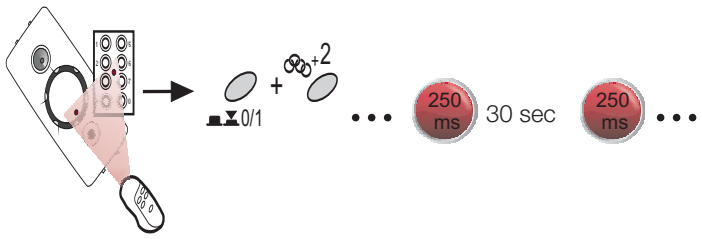


Resume Burn-In Mode

To resume a stopped Burn-In mode at a later date:

4.3 Point the remote at a controller
4.4 Press 0/I/Shift key and scene 2 at same time

Note: If a Power Off / On cycle has oaccured, the counter will be reset to 0.

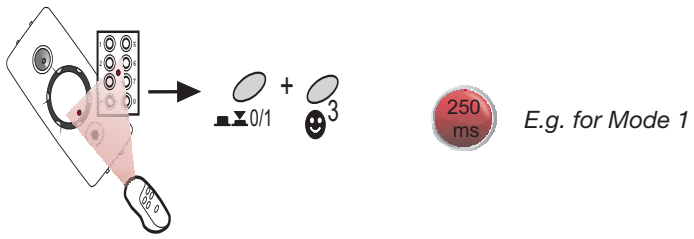


Mode Identification

To establish the iDim mode selected:

4.5 Point the remote at a controller
4.6 Press 0/I/Shift key and scene 3 at same time

Note: Number of flashes depends on mode selected. See overleaf for detailed LED information.

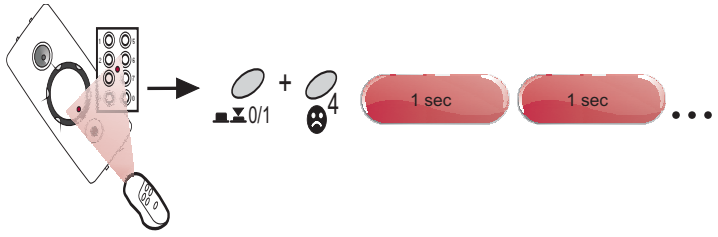


Start/Stop PIR Walk Test

To start/stop PIR Walk test:

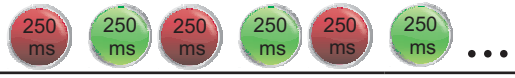
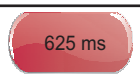
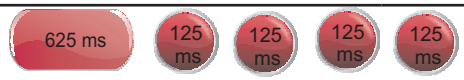
4.7 Point the remote at a controller
4.8 Press 0/I/Shift key and scene 4 at same time

iDim Sense will flash then wait for 10 s before looking for movement. When movement is detected: lights will go on for 5 s; to transition level for 5 s, off for 5 s and then return to the currently selected mode.



5. LED Flash Feedback

Two LEDs, red and green, located in the iDim Sense flash to provide visual feedback for various states.

Function	LED Flash Feedback	
	Mode Unmodified	User Defined Mode Selected*
Mode 1 Selected (Classroom Mode)		
Mode 2 Selected (Single Office)		
Mode 3 Selected (Open Plan Office)		
Mode 4 Selected (Corridor Link)		
Mode 5 Selected (Corridor Hold)		
Mode 6 Selected (Meeting Room)		
PIR Walk Test Mode Sequence repeats until walk test is complete.		
100 hour Burn-In Mode Sequence repeats until burn-in is complete.		
DALI Errors Sequence repeats until error clears.		
Change from unoccupied to occupied Typically follows a PIR detection.		
Data received from IR Remote		
Enabling / Disabling of IR Receiver		
Successful Scene Store		
Failed Scene Store		
Successful Upload from IR Remote		
Failed Upload from IR Remote		

Note: iDim Sense LED feedback flashes apply to all iDim units of v 5.3 and onwards

** To leave User Defined Mode and restore default settings at any time, hold button 3 + 4 on the Remote Control for 10 seconds.*

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