# ZoneLite control unit

The new Flex Connectors ZoneLite is an intelligently configurable all in one lighting control solution for many commercial lighting applications.

Control can vary from ON/OFF/DIM, dependent on occupancy to light level detection.

The ZoneLite features 4 output channels, 1 maintained emergency feed output, 4 sensor inputs and 4 switch inputs. The 4 output channels can independently provide either DSI or DALI dimming protocols. Or the channel can be set to provide conventional switching.

The ZoneLite is available with 4, 16 & 20 socket outlets. The socket outlets are grouped into 4 independently controlled channel outputs. Each socket has a dedicated maintained emergency feed supply.

The ZoneLite provides 12 switch inputs via 4 switch drop leads. Each of the switch inputs (depending on the configuration) can perform a dedicated function. These can include switching, dimming or scene selection.

The ZoneLite features 4 independent sensor ports. That can be used to for the connection of multifunction sensors heads. The sensor head functions can include; PIR motion detection, daylight sensing and remote handset infrared operation. 1 master sensor head and up to 4 slave sensor heads can be connected (configuration program dependent) to any one of the sensor ports.

# **Products available:**

FZI04T11111 Four socket, four channel control for DSI or DALI digital dimmable ballasts.

 $\label{eq:FZL16T4354} FZL16T4354 \mbox{ Sixteen socket, four channel control for DSI or DALI digital dimmable ballasts.$ 

FZL20T5465 Twenty socket, four channel control for DSI or DALI digital dimmable ballasts.











7-8

N/A

\* Please switch lights off and on to initiate the new settings.

Time-Out setting

Required components for adjusting the tDimming Load type, sensitivity setting & Burn-in control:

Before starting ensure your sensor head is one of either the fzh/pir or fzh/pir/ls with the red outer casing. Check the sensor head is powered by observing the blue LED flashing whenever occupancy is detected.

Note:

fzh/pir/sl does not require setting up, it

inherits the occupancy

time-out period from its

parent fzh/pir or

fzh/pir/ls sensor head

connected in parallel.

setting button.

period.

Select the Time-out adjustment

mode by pressing the time-out

Use parameter buttons 1-8 to

select the desired time-out

OF KEMUTE

Dimming load type

Offset

Config

etting

4

8

1

2

3

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On

Of

Dimming

Detection

Sensitivity

setting

Burn-in

2 control

1

5

2

6



Working in conjunction with the fzh series of sensor heads. The time-out period for the lights can be adjusted to suit the desired environment.

The sensor comes factory set to a 20 minute time-out period. If another time-out period (up to 60 minutes) is desired, then an fzl/rc remote control will be required. (ordered separately) 'The period of time set on a sensor that holds light/s on after the last movement is detected.'

Adjustment of the time-out setting will only alter the channels that the sensor head in question is configured to operate.

Time-out setting function		
Button	Parameters	
1	2 minutes	
2	5 minutes	
3	10 minutes	
4	20 minutes	
5	30 minutes	
6	40 minutes	
7	60 minutes	
8	Disabled (Motion detection)	

### **Detection type**

#### Required components for Detection Type:

Before starting ensure your sensor head is one of either the fzh/pir or fzh/pir/ls with the red outer casing. Check the sensor head is powered by observing the blue LED flashing whenever occupancy is detected.





#### Detection type

Working in conjunction with the FZH series of sensor heads and depending on the type of switch used. The detection type for the **ZoneLite** (channel/s) can be configured to be 1 of 3 types of motion detection.

#### Absence (Momentary switch input required)

The light/s will not switch ON, when motion is detected by the connected sensor head. The lights are initiated ON by the switch. When motion is no longer detected, the lights will switch OFF after the preselected time-out period.

#### Occupancy (Presence)

The light/s will switch ON, when motion is detected by the connected sensor head. Provided the lights were previously switched off after the pre-selected time-out period. When motion is no longer detected, the light/s will switch OFF after the pre-selected time-out period.

Presence only - For specials (Momentary switch input required)

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The lights need to be switched OFF by the switch. The light/s will not switch off automatically, when motion is no longer detected. When motion is detected by the connected sensor head, the lights will switch ON. Provided the lights were switched OFF by the switch & the pre-selected time-out period has finished.

Detection type function		
Button	Parameters	
1	Absence & Presence	
2	Absence only	
3	Presence only	
4-8	n/a	

#### Optional Extras - Increasing Occupancy Coverage - FZH/PIR/SL

fzh/pir/Slave Occupancy coverage can be increased by adding up to a maximum of 3 slave sensor heads (fzh/pir/sl) to your existing sensor head. The fzh/pir/sl can be ordered separately and comes complete with a 'Y' adaptor to facilitate connection. A connecting lead may also be required, part number fslXX (XX = length /5m).

$\frown$	Select the detection type by
(1)	pressing the detection type
$\bigcirc$	button.

Use parameter buttons 1-3 to 2 select the desired detection

type.



### Sensitivity setting

If required, the sensitivity of the fzh series pir motion detector can be adjusted. This is in aid of difficult installation situations. when the sensor head is positioned too close to a HVAC outlet. *Please note adjustment of this feature can severely effect the operation of the sensor head.* 

Select the sensitivity mode by pressing the sensitivity setting button.



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KEMUTE

Timeou setting

Dimming load type Offset

setting

dimming Config

4

8

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2

On

Off

Dimming control

Detection type

ensitivity

Burn-in

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5

control

1) setting

2

Test mode

2

6

Light Level

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Sensitivity setting function			
Button	Parameters	Sensitivity	
1	Setting 1	Increased	
2	Setting 2 (default)	▲	
3	Setting 3		
4	Setting 4		
5	Setting 5		
6	Setting 6		
7	Setting 7	↓	
8	Setting 8	Decreased	

## Set-back control

On specific configurations. Set-back control can set 1 of 4 available set-back illumination levels or setback delayed time-out periods.

Please see configuration for details on the set-back operation.

Select the set-back mode by pressing the burn-in control button.

Use parameter buttons 1-8 to activate or disable the burn-in function on the required channel output.

Sensitivity setting function		
Button	Parameters	
1	Set-back to 10% (minimum)	
2	Set-back to 20%	
3	Set-back to 30%	
4	Set-back to 50%	
5	Set-back delay disabled	
6	10min Set-back delay	
7	30min Set-back delay	
8	60min Set-back delay	



# Offset dimming



Provided the offset is enabled. If required, the offset amount can be altered using the offset dimming feature.

Adjustment of the Offset dimming control will only alter the channels that the sensor head in question is configured to operate.

Select the offset mode by pressing the offset dimming button.

Use parameter buttons 1-8 to

2 select the desired offset.

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Row B is offset brighter than row A by a 10% offset. While row C is offset brighter that row B by 10% also.



Offset dimming function		
Button	Parameters	
1	0% (No offset)	
2	10% Brighter	
3	20%Brighter	
4	30% Brighter	
5	40% Brighter	
6	50% Brighter	
7	60% Brighter	
8	150% Brighter (max brightness)	

## Configuration setting



Configuration setting function	
Button	Parameters
1-4	n/a
5	ZoneLite Restart
6	Master mode off
7	Master mode on
8	Master reset (saved settings will be erased)

Select the configuration mode by pressing the config setting button.





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Due to continual product improvement Flex Connectors reserves the right to alter the specification of this product without prior notice.

