

# TIMEGUARD®

## DALI Keypad

Model: KPDAI



Installation & Operating Instructions

# 1. General Information

These instructions should be read carefully and retained for further reference and maintenance.

This Keypad is compatible with the Timeguard PSUDALI DALI Power Supply, and can be used with Timeguard IR DALI Presence detector models PDSMDALI, PDSMCDALI, PDFMDALI and PDFMCDALI.

**Note: The addition of a suitable DALI Interface and associated computer software is required to programme the 3 pre-set scene settings.**

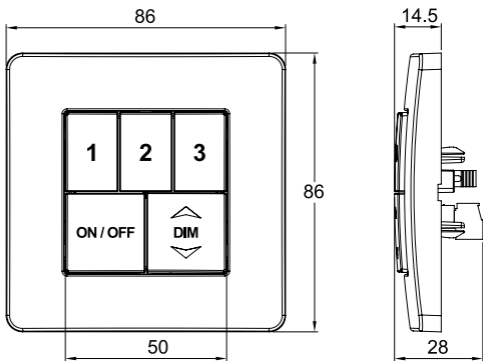
## 2. Safety

- Before installation or maintenance, ensure the mains supply to the product is switched off and the circuit supply fuses are removed or the circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this product and installed in accordance with the current IEE wiring and Building Regulations.
- Check that the total load on the circuit including when this product is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.

### 3. Technical Specifications

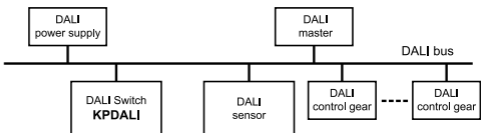
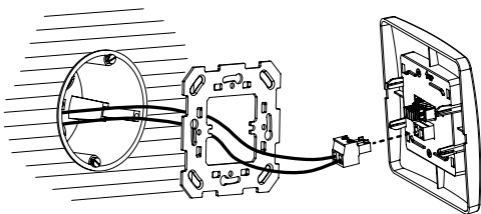
- Rated voltage: Typ. 16V DC via DALI bus
- Current Draw: Approx. 6mA
- This unit is of class II construction and must not be earthed
- Installation Type: Wall mount
- Minimum back box depth: 25mm
- Group Rotary Switch: 0~F (0~E = Group 0~14; F = Broadcast)
- Scenes: Button 1~3 (via jumper configuration of J1~J4)
- LED Indicator: Blue
- Operating Temperature: -20°C to +45°C
- IP20 Rated for restricted internal applications
- RoHS Compliant
- CE Compliant
- Dimensions (H x W x D): 86 x 86 x 28mm

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## 4. Installation

- 4.1 The power supply is via the DALI control line only, no mains voltage allowed.
- 4.2 The wiring can be solid wire or stranded wire with a cross-section of 0.14 to 1.5 mm<sup>2</sup>
- 4.3 Carefully remove the mounting bracket from the back of the keypad.
- 4.4 Pass the incoming cable through the centre hole of the mounting bracket.
- 4.5 Attach the mounting bracket to the back box using the fixing screws provided.
- 4.6 Plug the incoming cable to the DA terminals on the keypad.
- 4.7 Position the keypad on top of the mounting bracket and back box, pressing it into place, forming the cable during installation to avoid any entrapment and cable damage.



## 5. Adjustments

Make sure all drivers connected to the DALI line are addressed, grouped and scene values are saved as preferred, the addition of a suitable DALI Interface and associated computer software is required to programme the default scene settings. And then programme the DALI Switch Panel according to your needs.

The lighting group setting can be done via the group rotary switch on the back of the switch panel. The assignment of start scene setting can be done via the 16 configurations of the four jumpers (J1~J4) against the 3 buttons 1~3. According to DALI standard protocol there are 16 groups (0~15) for option.

For this DALI switch panel the start scene assignment of the three buttons will be in a continuous sequence as shown in the table. The default start scene setting is in the sequence of 0, 1, 2.


# KPDALI Switch Panel – Start Scene Set


**Group**



**Scene**  
J1 J2 J3 J4

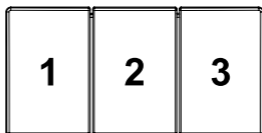


Jumper= 0 =  short (with jumper in place)

Jumper= 1 =  open (with jumper removed)

J1	J2	J3	
0	0	0	
1	0	0	
0	1	0	
1	1	0	
0	0	1	
1	0	1	
0	1	1	
1	1	1	
0	0	0	
1	0	0	
0	1	0	
1	1	0	
0	0	1	
1	0	1	
0	1	1	
1	1	1	

# ing Table



<b>J4</b>	<b>Button 1 (scenes)</b>	<b>Button 2 (scenes)</b>	<b>Button 3 (scenes)</b>
0	0	1	2
0	1	2	3
0	2	3	4
0	3	4	5
0	4	5	6
0	5	6	7
0	6	7	8
0	7	8	9
1	8	9	10
1	9	10	11
1	10	11	12
1	11	12	13
1	12	13	14
1	13	14	15
1	14	15	0
1	15	0	1

## 6. Operation and Function

This DALI switch panel is for controlling multiple DALI luminaire groups via the integrated group switch, and for assigning the pre-set lighting scenes (button 1~3) via the flexible jumper configurations (J1~J4). The dimming buttons allow brightness adjustment in the range of 1% ~ 100%. The brightness level is not memorized after power OFF.

- **Lighting Group Setting** – Set the lighting group via the group rotary switch which has 16 steps 0~F. Steps 0~E are for group 0~14; step F is for Broadcast, and is the default setting from factory.
- **Lighting Scene Assignment** – Please refer to the Start Scene Setting Table for the 16 configurations of the four jumpers (J1~J4) against the scene assignment of button 1~3. According to DALI standard protocol there are 16 groups (0~15) for option. For this DALI switch panel the start scene assignment of the three buttons will be in a continuous sequence as shown in the table (section 5. Adjustments). The default start scene setting is in the sequence of 0, 1, 2.
- **Dimming Function** – Long press the DIM UP / DIM DOWN buttons to adjust the brightness in the range of 1% ~ 100%. The brightness level is not memorized after power OFF.
- **LED Indicator Function** – The blue colour LED indicator will flash once to each press of any buttons on the switch panel. The indicator will flash twice when reset button is pressed.
- **Reset Button Function** – When any malfunction occurs, press the reset button to restore the default setting; the blue LED indicator will flash twice when reset button is pressed.



## 3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For the second and third years or any difficulty in the first year telephone the helpline on 020 8450 0515.

Note: A proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent out.







If you experience problems, do not immediately return the unit to the store.

Telephone the Timeguard Customer Helpline:

HELPLINE

**020 8450 0515**

or email [helpline@timeguard.com](mailto:helpline@timeguard.com)

Qualified Customer Support Coordinators will be online to assist in resolving your query.



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