



# PRODUCT SPECIFICATION

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REAF 7 DR25 MR BUS

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## FEATURES & BENEFITS

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- Mounting Type: Recessed
- Wireless: No
- Maximum Mounting Height: 3.5M
- Occupancy Detection: Microwave
- Daylight Control: Daylight Regulation/Bright Out
- Detection Range - Adjustable up to 20m
- Output: DALI/Relay
- Programmer: REA-DPA
- Voltage: 230v 50/60Hz
- Control: 25 DALI Drivers/10A relay
- IP Rating: IP20
- Colour: White
- Standby Power: 1W

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## ADJUSTABLE PARAMETERS

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- Movement Sensitivity: Minimum, Very Low, Low, Medium, High, Very high, Maximum
- Power Up State: Occupied/transition /vacant
- Occupied trigger action: Presence/Absence
- Occupied Time: 10 seconds - 12 hours
- Photocell Mode: Active/Passive/Ignore
- Daylight Regulation: Enabled/Disabled
- Regulation set point: 200 to 700
- P'cell Turn On: 0 to 500
- P'cell Turn Off: 0 to 500
- Transition Timer: Disabled/5 seconds - 4 minutes
- Bus Connect: Yes/No
- More parameters available on programmer
- REA DPA

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## IMAGES

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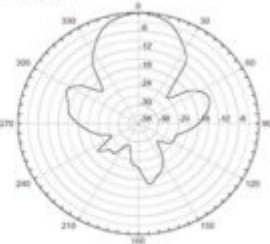


### DIAGRAMS

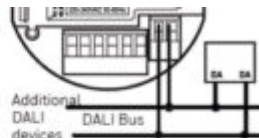
Horizontal



Vertical



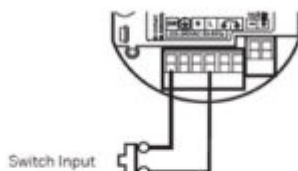
To prevent loose strands being outside the terminal a tool, e.g. a screwdriver, must be used to push the button on the terminal when stranded conductors are inserted.



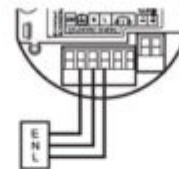
**Warning:** Do not connect to 230V.

**Warning:** The DALI Bus is not classified as SELV. The same procedures and safeguards must be applied as when working with mains voltage.

<b>Terminal type</b>	Rising cage screw clamp		
<b>Terminal capacity</b>	1 x 0.5-2.5mm <sup>2</sup> solid or stranded		
<b>Recommended cable</b>	2 core 0.5-1.5mm <sup>2</sup>		
<b>Max cable length</b>	Copper	Cross Section	Maximum cable length at 25 °C
	Copper	0.5 mm <sup>2</sup>	112m
	Copper	0.75 mm <sup>2</sup>	165m
	Copper	1.0 mm <sup>2</sup>	224m
Copper	1.5 mm <sup>2</sup>	300m	
<b>Max devices</b>	25 DALI control gears (ballasts or drivers) - 50 mA		



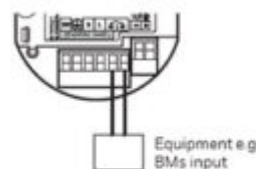
<b>Terminal type</b>	Rising cage screw clamp		
<b>Terminal capacity</b>	1 x 0.5-2.5mm <sup>2</sup> solid or stranded		
<b>Recommended cable</b>	Derive from appropriate wiring regulations		
<b>Max cable length</b>	Derive from appropriate wiring regulations		
<b>Operating voltage</b>	100 – 240V 50-60Hz		
<b>Power consumption</b>	Negligible		



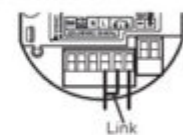
<b>Terminal type</b>	Rising cage screw clamp		
<b>Terminal capacity</b>	1 x 0.5-2.5mm <sup>2</sup> solid or stranded		
<b>Recommended cable</b>	Refer to appropriate regulations		
<b>Max cable length</b>	Refer to appropriate regulations		
<b>Operating voltage</b>	220 – 240V 50-60Hz		
<b>Quiescent power consumption</b>	1W		
<b>Recommended circuit protection</b>	10A MCB		

Note: In accordance with current wiring regulations a means of disconnection (e.g. switch) must be incorporated into the fixed wiring.

#### Volt-free Output Connections



The volt-free output can be used as a live switched output by linking it to the live terminal as shown.



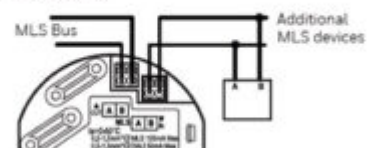
<b>Terminal type</b>	Rising cage screw clamp		
<b>Terminal capacity</b>	1 x 0.5-2.5mm <sup>2</sup> solid or stranded		
<b>Recommended cable</b>	2 core 1.5-2.5mm <sup>2</sup>		
<b>Switching Capability</b>	10A		

#### Make Electrical Connections

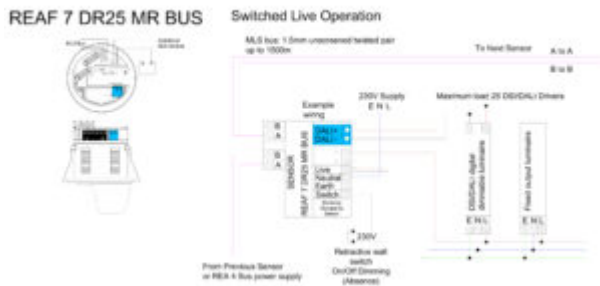
**WARNING:** Do NOT power up until installation is complete.

**WARNING:** ALL plug-in terminals **MUST** be connected and the cover must be in place before the unit is powered up.

#### MLS Bus Connections - MLS variants



<b>Terminal type</b>	Screwless with release lever		
<b>Terminal capacity</b>	1 x 0.5-1.5mm <sup>2</sup> solid or stranded		
<b>Recommended cable</b>	1.5mm <sup>2</sup> unscreened twisted pair		



## ORDER CODES

### SENSOR

Code	Description
REAF 7 DR25 MR BUS	Flush Reacta 7 microwave with relay and DALI and BUS connection
REA 7 SURFMT	Reacta 7 Surface Mounting Kit
REA 7 WMK	Reacta 7 Wall Mounting Kit
REA 4 PS	Bus power supply (200 Sensors)
REA 4 PS LT	Lite Bus power supply (100 sensors)