



PRODUCT SPECIFICATION

REAF 7 DR25 MR BUS

FEATURES & BENEFITS

- 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

ADJUSTABLE PARAMETERS

- 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

IMAGES

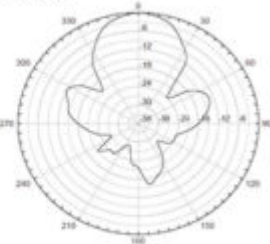


DIAGRAMS

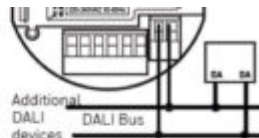
Horizontal



Vertical



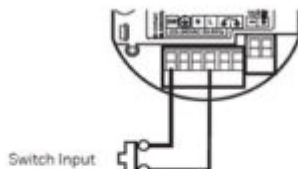
To prevent loose strands being outside the terminal a tool, e.g. a screwdriver, must be used to push the button on the terminal when stranded conductors are inserted.



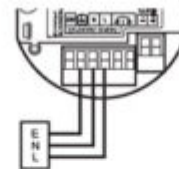
Warning: Do not connect to 230V.

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

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



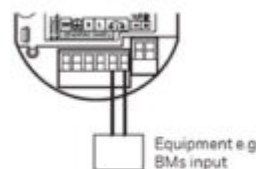
Terminal type	Rising cage screw clamp		
Terminal capacity	1 x 0.5-2.5mm ² solid or stranded		
Recommended cable	Derive from appropriate wiring regulations		
Max cable length	Derive from appropriate wiring regulations		
Operating voltage	100 – 240V 50-60Hz		
Power consumption	Negligible		



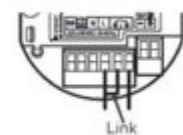
Terminal type	Rising cage screw clamp		
Terminal capacity	1 x 0.5-2.5mm ² solid or stranded		
Recommended cable	Refer to appropriate regulations		
Max cable length	Refer to appropriate regulations		
Operating voltage	220 – 240V 50-60Hz		
Quiescent power consumption	1W		
Recommended circuit protection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



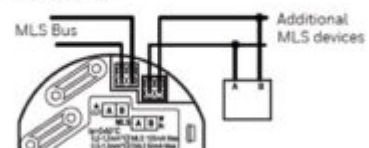
Terminal type	Rising cage screw clamp		
Terminal capacity	1 x 0.5-2.5mm ² solid or stranded		
Recommended cable	2 core 1.5-2.5mm ²		
Switching Capability	10A		

Make Electrical Connections

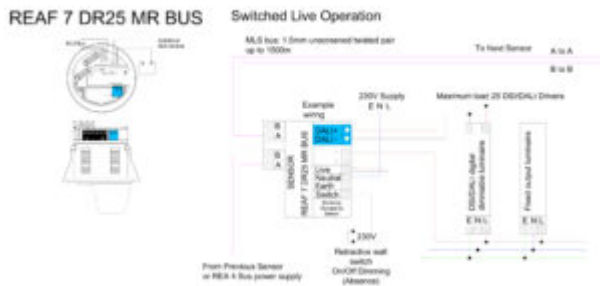
WARNING: Do NOT power up until installation is complete.

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



Terminal type	Screwless with release lever		
Terminal capacity	1 x 0.5-1.5mm ² solid or stranded		
Recommended cable	1.5mm ² 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)