



# PRODUCT SPECIFICATION

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REAF 7 DR25 MR BUS



## INTRODUCTION

### FEATURES & BENEFITS

- **Mounting Type:** Recessed
- **Wireless:** No
- **Maximum Mounting Height:** 3.5m
- **Occupancy Detection:** Microwave
- **Daylight Control:** Daylight Regulation
- **Output:** DALI
- **Output:** On/Off
- **Supply Power Source:** 230V
- **IP Rating:** IP4X
- **Programmer:** REA DPA

### ADJUSTABLE PARAMETERS

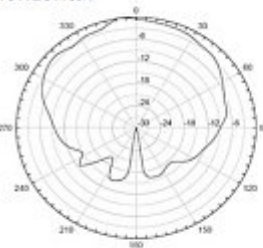
- **Movement Sensitivity:** Minimum / Very Low / Low, Medium / High / Very high / Maximum
- **Occupied mode:** Presence/Absence/Manual
- **Occupied Level:** 1-100%
- **Occupied Time:** up to 12 hours
- **Transition Time:** up to 3 hours
- **Transition Level:** 1-100%
- **Daylight Regulation:** Enabled/Disabled
- **Bright Out Mode:** Enabled/Disabled
- **Regulation level:** 200 to 700
- **P'cell Turn On:** 0 to 500
- **P'cell Turn Off:** 0 to 500
- **Grouping:** Enabled/Disabled
- More parameters available on programmer

### IMAGES

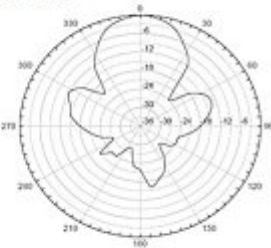


## DIAGRAMS

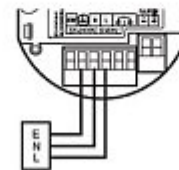
Horizontal



Vertical



Power Connections



Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm <sup>2</sup> 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.

### DALI Bus Connections - DALI variants

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.

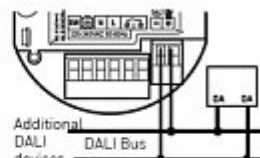
**Warning:** Do not connect to 230V.

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

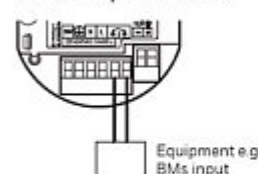
Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-1.5mm <sup>2</sup> solid or stranded
Recommended cable	2 core 0.5-1.5mm <sup>2</sup>
Max cable length	Copper 0.5 mm <sup>2</sup> 112m 0.75 mm <sup>2</sup> 168m 1.0 mm <sup>2</sup> 224m 1.5 mm <sup>2</sup> 300m
Max devices	25 DALI control gears (ballasts or drivers) - 50 mA

Note:

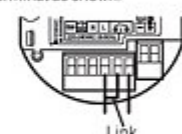
- DALI gears (ballasts or drivers) are normally wired from an unswitched supply.
- Ballasts or drivers must be DALI Control Gears complying to IEC 62386 V1 or V2.



Volt-free Output Connections

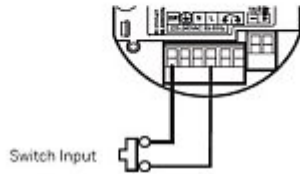


The volt-free output can be used as a live switched output by linking it to the live terminal as shown.



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

### Switch Input (Mains) Connections



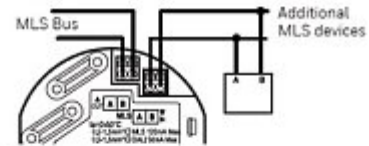
Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm <sup>2</sup> solid or stranded
Recommended cable	Derive from appropriate wiring regulations
Max cable length	Derive from appropriate wiring regulations
Operating voltage	100 – 240V 50-60Hz
Power consumption	Negligible

### 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 <sup>2</sup> solid or stranded
Recommended cable	1.5mm <sup>2</sup> unscreened twisted pair
Max cable length	Up to 1500m - If using 1.5 mm <sup>2</sup> unscreened twisted pair cable.

## ORDER CODES

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)