



PRODUCT SPECIFICATION

REF 7 DR25 MR



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

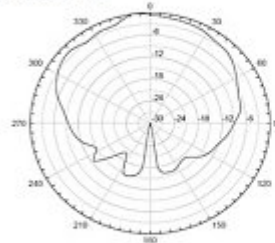
- Movement Sensitivity: Minimum / Very Low / Low, Medium / High / Very high / Maximum
- Occupied mode: Presence/Absence/Manual
- Occupied Level: 1-100%
- Occupied Time: up to 12 hours
- Transition Time: up to 3 hours
- Transition Level: 1-100%
- Daylight Regulation: Enabled/Disabled
- Bright Out Mode: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

IMAGES

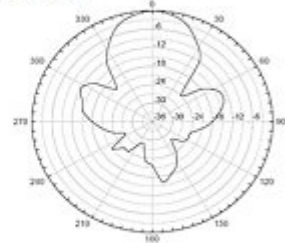


DIAGRAMS

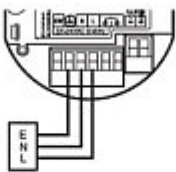
Horizontal



Vertical



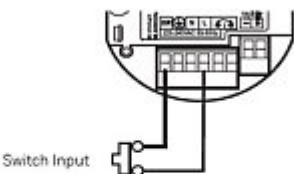
Power Connections



Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm² 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

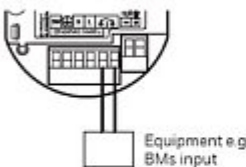
Note: In accordance with current wiring regulations a means of disconnection (e.g. switch) must be incorporated into the fixed wiring.

Switch Input (Mains) Connections



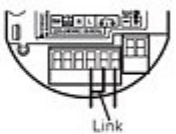
Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm² solid or stranded
Recommended cable	Derive from appropriate wiring regulations
Max cable length	Derive from appropriate wiring regulations
Operating voltage	100 – 240V 50-60Hz
Power consumption	Negligible

Volt-free Output Connections



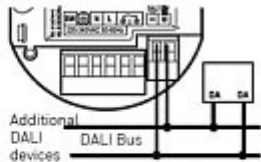
Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm² solid or stranded
Recommended cable	2 core 1.5-2.5mm²
Switching Capability	10A

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



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 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	168m
	Copper	1.0 mm ²	224m
	Copper	1.5 mm ²	300m
Max devices	25 DALI control gears (ballasts or drivers) - 50 mA		

Note:

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

ORDER CODES

Code	Description
REAF 7 DR25 MR	Flush Reacta 7 microwave with relay and DALI
REA 7 SURFMT	Reacta 7 Surface Mounting Kit
REA 7 WMK	Reacta 7 Wall Mounting Kit