PRODUCT SPECIFICATION

REAF 7 DR25 MR

Dextra
GROUP PLC

MADE IN BRITAIN®

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
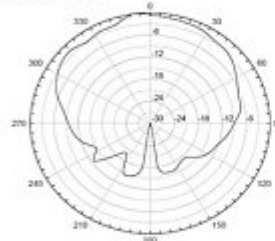
ADJUSTABLE PARAMETERS

- 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
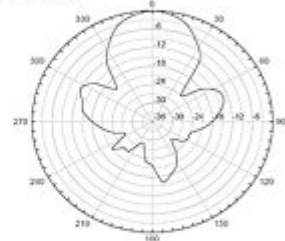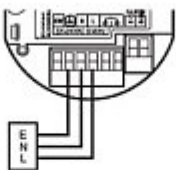- More parameters available on programmer

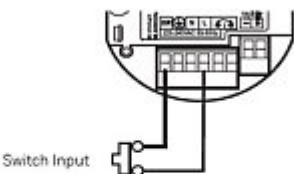## IMAGES

DIAGRAMS

Horizontal

Vertical

Power Connections

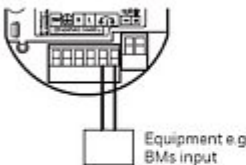| Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm² solid or stranded.
Recommended cable	Refer to appropriate regulations
Max cable length	Refer to appropriate regulations
Operating voltage	220 – 240V 50-60Hz.
Quiescent power consumption	1W
Recommended circuit protection	10A MCB

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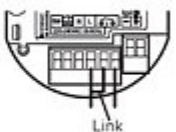
Switch Input (Mains) Connections

Switch Input

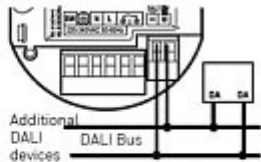| Terminal type	Rising cage screw clamp
Terminal capacity	1 x 0.5-2.5mm² solid or stranded.
Recommended cable	Derive from appropriate wiring regulations.
Max cable length	Derive from appropriate wiring regulations.
Operating voltage	100 – 240V 50-60Hz.
Power consumption	Negligible

Volt-free Output Connections

Equipment e.g BMs input

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

Link

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

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 0.5-1.5mm² solid or stranded.	
Recommended cable	2 core 0.5-1.5mm²	

	Cross Section	Maximum cable length at 25 °C
	Copper 0.5 mm²	112m
Max cable length	Copper 0.75 mm²	168m
	Copper 1.0 mm²	224m
	Copper 1.5 mm²	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