

Regulating Presence Detector with photocell

This is a high-performance, directional presence detector with built-in photocell for use in almost any internal space. It is ideal for larger classrooms, conference rooms, longer storage aisles etc. It is a self-contained unit, making installation simple and straightforward.

The Regulating Presence Detector offers the following features:



Active presence detection by microwave technology.



Regulating photocell actively monitors ambient light levels and adjusts the light output accordingly (dimnable control gear only).



Incorporates simple scene-setting - up to six scenes can be set via user remote.



Off delay in minutes following the last observed movement after which the lights switch off.



Detection pattern and range in metres under normal operating conditions.



Dual circuit control. Digital output always influenced by photocell, relay output can be influenced by photocell if configured.



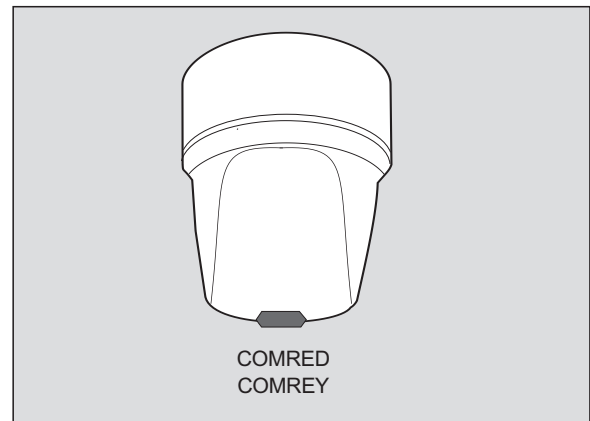
Hand-held Controllers provide local user override.



Remote programming with the COMAP (operates at 5m range) ensures changes can be easily accommodated.



OneSwitch Dimming. Manual input to adjust light level or turn luminaires on or off.



Scene-setting

Users can set up to six lighting scenes by infrared remote control and recall them with the single press of a button.

Entry and Exit Scenes

The entry scene is automatically selected when the area becomes occupied. Similarly, there is an option to select an Exit Scene for when an area is vacated.

Ballast Compatibility

This Regulating Presence Detector is available for fixed-output high-frequency ballasts and dimmable DSI and DALI ballasts.

Dual Output

Manual control of digital and relay outputs with OneSwitch dimming or hand-held controller.

Commissioning and Programmable Parameters

Operation is determined by how the unit is commissioned. Commissioning and re-commissioning are carried out using a menu-driven, infrared remote programmer (COMAP) with virtually no disturbance to the building's occupants. As the programmer has a range of 5 metres, ladders or platforms are seldom required.

Ref: D4101A

Wiring Diagram	
Always check the product label before connecting. Relay outputs may be connected in parallel to cover larger areas with multiple detectors but the total load switched by the parallel combination should not exceed 10 Amps. Digital Dimming Signal Outputs MUST NOT be connected, in parallel or in series, to those of another detector. The diagram above shows a fully utilised unit, controlling both dimmable and non-dimmable luminaires. In the simplest installation, controlling only non-dimmable loads, just the mains supply and the switched live output would be required. Note: Do not mount within 25cm of a luminaire.	
Dimensions	Installation
Rear View	Surface Mount The back-box can be secured directly to a hard surface or to a conduit stop end box. Note: For wall mounting, use the COMREWMK wall-mounting kit.
Ancillary Items	Technical Data
COMAP MLS Programmer Menu-driven LCD Programmer with automatic equipment recognition and parameter download facilities. COMHHC Two-button Hand-held Controller Note: The COMSSC Universal Hand-held Controller is also suitable for use with these detectors.	MAXIMUM RECOMMENDED MOUNTING HEIGHT: 3.5m RANGE: Adjustable up to 20m OFF DELAY: 5-60 minutes - adjustable PHOTOCELL: Adjustable 50-5000 lux OPERATING VOLTAGE: 230V ~ 50Hz (UK & Europe) PRODUCT RATING & RECOMMENDED CIRCUIT PROTECTION: 10 Amps MAXIMUM RECOMMENDED LOAD: L_{SW}: 10 Amps MAXIMUM RECOMMENDED LOAD (DSI/DALI): 25 Ballasts COLOUR: White MATERIAL: Flame retardant PC/ABS WEIGHT: 160g IP RATING: Guidance only: 43 - ceiling mounted 4X - wall mounted

Part Numbers

COMRED	Regulating Presence Detector with photocell for DSI ballasts - surface mounted
COMREY	Regulating Presence Detector with photocell for DALI ballasts - surface mounted

Ancillary Items

COMAP	MLS Digital Programmer
COMHHC	Two-button Hand-held Controller c/w wall bracket
COMSSC	Universal Hand-held Controller c/w wall bracket
COMREWMK	Wall-mounting Kit
COMRESFK	Semi-flush Mounting Kit