

## Introducing Apollo Lighting's new range of infra red and microwave presence / absence detectors.

Our wide range of presence detectors are designed to reduce the amount of time lighting is left on unnecessarily, for example if an area is unoccupied or if there is sufficient natural light.

A presence detector monitors the detection zone for occupancy; if a person is sensed then the detector will automatically turn the lighting on. When the area is vacated, the lighting will turn off after a preset time delay. Most of our detectors have a built in light level (lux) sensor which will keep the lighting off if there is enough natural light available.

Controlling lighting with a presence detector can save up to 60% of lighting energy costs dependent on occupancy behaviour and the amount of natural light available; our detectors can also be used to control heating and ventilation.

### advanced range (AD)

Advanced presence/absence detectors have infra red control, lux level sensing and push button adjustment for increased flexibility and energy saving features.

Key features in addition to the standard range include:

- Presence detection and switching with lux level sensing
- Absence detection functionality selectable via switch
- Time delay function
- Programmable via our programming handset
- User handset available to control on/off and lux levels

### professional range (PRO)

As well as dimming functionality and presence / absence detection, the professional range incorporates direct dim technology which offers a host of additional features and functionality.

Key features in addition to the standard range include:

- Dimming functionality
- Absence detection functionality programmable via LCD handset
- Two channel flexibility
- Step-down illuminance
- Scene setting and recall
- Lamp burn-in
- Digital detectors can control up to 20 dimming ballasts
- Suitable for all lighting types
- User handset available to control on/off, lux levels and pre-set scenes

# products

## CPIR

These compact detectors provide automatic control for lighting, heating and ventilation loads. The detector can be mounted either flush into a ceiling tile or using a surface mounting box. The low profile design means the unit can be mounted in a narrow ceiling void. No external control boxes are required as the unit is self contained. The simple plug in connections reduce installation time. The optional infrared remote handset allows the user to override the set up on some models.

### CPIR features

- Presence detection
- 7m diameter detection at 2.8m mounting height
- 10 second to 30 minute time delay
- Photocell over-ride for lux level sensing
- 6A relay

### CPIR-AD features

As CPIR but adds:

- Absence detection selectable via switch
- 10 second to 99 minute time delay
- 10A relay
- Infra red over-ride (for use with user handset)

### CPIR-PRO features

As CPIR-AD but adds:

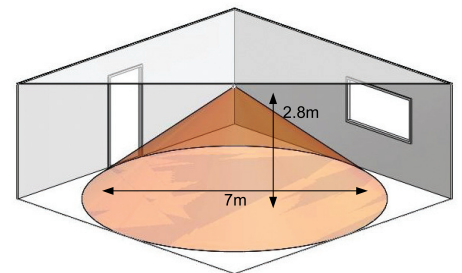
- DSI or DALI output (max 20 ballasts)
- Absence detection via LCD handset
- Dimming functionality
- Two channel flexibility
- Step-down illuminance
- Scene setting and recall
- Lamp burn-in

### CPIR-IP, CPIR-AD-IP, CPIR-PRO-IP

- All versions available to IP55 rating (Add -IP suffix at the end of the code)

### CPIR-BOX

Surface mount box  
(Also suitable for C6MW)



## C1MW

The C1MW models have been designed to be an easy to fit cost effective microwave detector solution. The sensitivity of the C1MW gives a full 10 metre (at 2.8m height) detection range, which means that any blind spots are easily covered. This microwave presence detector mounts directly on to a standard single gang switch box. It has no external lenses giving the unit the appearance of a standard accessory blank plate.

### C1MW features

- Semi-recessed mounted microwave presence detector
- 10m diameter detection at 2.8m mounting height
- 15 second to 30 minute time delay
- 10A relay

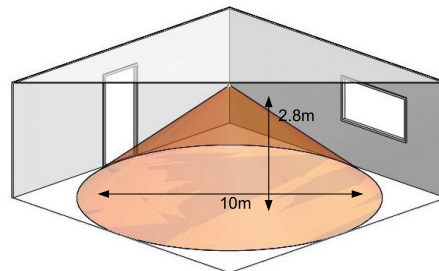
### C1MWX features

As C1MW but adds:

- Photocell over-ride

### CMW-IP features

- Weatherproofing kit for ceiling mounted microwave detector
- Rated to IP65

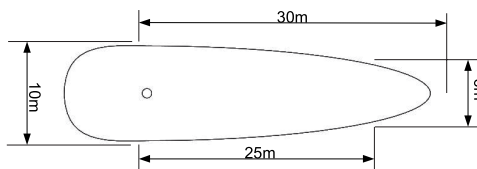
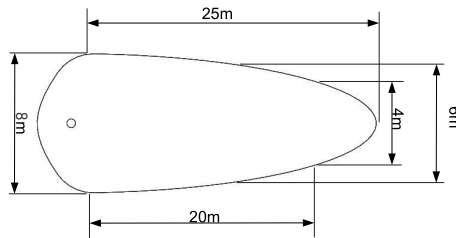


## C3MW

Unlike fixed head microwave detectors the C3MW offers a unique presence/absence detection capability by using an adjustable head. This incorporates an innovative locking mechanism to prevent tampering. By changing the angle of the head, different detection patterns can be achieved to suit the application. An integral sensitivity adjustment allows the detector to be fine tuned to its environment. The detector is self contained and can be flush or surface mounted using a separate detector back box.

### C3MW-AD features

- Adjustable head microwave presence / absence detector (selectable via switch)
- 22m x 6m detection when flush mounted 2.6m high
- 10 second to 99 minute time delay
- Photocell over-ride
- 10A relay
- Infra red over-ride (for use with user handset)
- Can operate in 2-channel mode



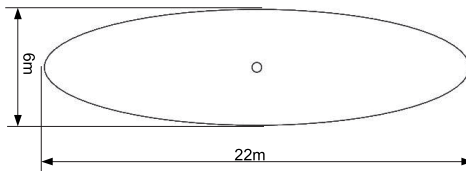
### C3MW-PRO features

As C3MW-AD but adds:

- DSI or DALI output (max 20 ballasts)
- Absence detection programmable via LCD handset

### C3MW-BOX

- Surface mount box for use with adjustable head microwave detector



## C6MW

The C6MW is a mid-range microwave presence/absence detector for the automatic control of lighting, heating and ventilation. This detector has a low profile design which allows flush mounting into a ceiling tile, or surface mounting using a detector back box. Its reduced head size makes it unobtrusive to occupants.

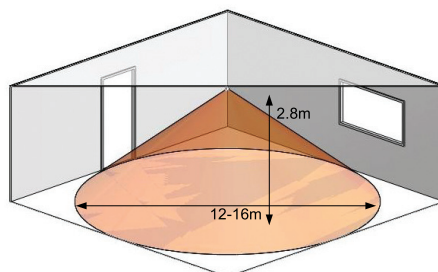
### C6MW-AD features

- Recessed microwave presence / absence detector (selectable via switch)
- 12-16m detection diameter at 2.8m mounting height
- 10 second to 99 minute time delay
- Photo cell over-ride
- 10A relay
- Infra red over-ride (for use with user handset)
- Can operate in 2 channel mode

### C6MW-PRO features

As C6MW-AD but adds:

- DSI or DALI output (Max 20 ballasts)
- Absence detection selectable via LCD handset



### CHSLCD

The handset allows programming and control of all direct dim functionality of the Advanced (AD) and Professional (PRO) ranges, including:

- Switching and dimming channel control
- Detection sensitivity
- lux hold-off and time delay
- Step-down illuminance
- Scene settings
- Lamp burn-in settings



### CHS3/8

The handset allows the user to override the system detectors.

There are two types available:

CHS3: The 3 button handset controls basic override of the system detectors switching them ON/OFF (two buttons). The third cancels the override.

CHS8: The 8 button handset adds lux setting adjustment and facilitates scene setting.

## product codes

ASENS-CPIR	ASENS-C1MW-IP
ASENS-CPIR-IP	ASENS-C3MW-AD
ASENS-CPIR-AD	ASENS-C3MW-PRO
ASENS-CPIR-AD-IP	ASENS-C3MW-BOX
ASENS-CPIR-PRO	ASENS-C6MW-AD
ASENS-CPIR-PRO-IP	ASENS-C6MW-PRO
ASENS-CPIR-BOX	ASENS-CHSLCD
ASENS-C1MW	ASENS-CHS3
ASENS-C1MWX	ASENS-CHS8

All product dimensions are supplied on our website at [www.apollolighting.co.uk](http://www.apollolighting.co.uk)

The products contained within this brochure are our most popular items but do not constitute the extent of our range. If you require further specifications or are unsure as to the suitability of a product for your particular application, please contact the technical department via the details listed below.