

DATASHEET

752HF2RC

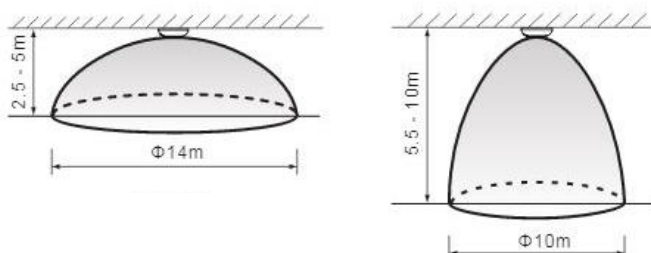
Microwave Sensor, Dual channel, Remote Control Option

Application

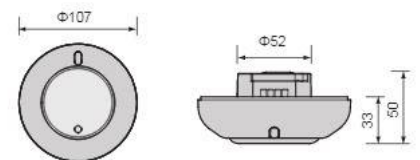
The 752HF2RC is an occupancy/motion detector with an integrated High Frequency Doppler Effect Sensor providing high sensitivity to small motion, suitable for many commercial applications. Excellent detection ability for heights reaching 10 metres and through non-metallic materials. The integrated light sensor allows users to set desired thresholds for switching on the light when the ambient level is below present value enabling more energy savings. Ideal for high ceilings, foyers, above ceiling spaces, factory high bay applications and areas where detection without direct view to movement is needed and where temperature influences might cause false detection with PIR sensors.

Features

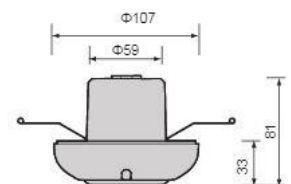
- Occupancy and Motion detection via high frequency technology
- Lighting switches on and off automatically
- Quick and easy setting of the detection brightness, switching duration and sensitivity with optional remote control
- High performance sensing - Dust, temperature, light, airflow, sound or vibration will not affect performance
- Sensor penetrates non-metallic materials (e.g. wood, glass, thin brick)
- Suitable for flush mount and surface mounting (both bases included)
- Detection range 14m Ø at an installation height of 2.5m
- Detection range 10m Ø at an installation height of 10m



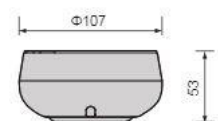
Sensor : $\Phi 107 \times 50\text{mm}$



Sensor with flush-mount enclosure



Sensor with surface-mount enclosure



Product Dimensions

752RC/HF

OPTIONAL IR REMOTE CONTROL FOR 752HF2RC SENSOR

- **Range:** up to 10 metres
- Configure Sensitivity, Timer and lux settings, lock/unlock and turn on/off the outputs.
- Can learn ambient lux levels, and has memo button to save and recall timer settings to aid in configuring multiple devices.



is On

CLIPSAL
by Schneider Electric

Specifications

Mains voltage:	AC 220–240 V, 50/60 Hz
Maximum switching power:	Output 1: (Switched Active) LED lamps: 100 W Incandescent lamps 240V a.c.: 2000 W Halogen lamps 240 V a.c.: 1000 W Halogen with LV electronic transformer: 1000 VA Halogen with LV iron core transformer: 1000 VA Fluorescent tubes: 900 VA, 100µF Compact fluorescent lamps: 100 W Output 2: (Voltage Free) Relay switching capacity: AC 250 V, 5 A cosφ = 1 Motor: 100 W
Upstream fuse	10 A
Power consumption	< 2 W
Detection type:	High Frequency Doppler Affect
Angle of detection:	360°
Range:	Radius of max. 7 m (at 2.5-5 m mounting height) Radius of max. 5 m (at 5.5-10 m mounting height)
Light sensor (sensitivity):	10–2000 Lux
Time setting:	Time 1 (output 1): from approx. 10 s to approx. 30 min Time 2 (output 2): from approx. 10 s to approx. 60 min
Switching mode:	Automatic and manual override via switch active into R terminals.
Connection:	3-wire, neutral conductor required
Terminal Specs:	Power Load I (N,N,L ,\uparrow): 4-pin, Max 1 x 2.5mm ² Load II (D1, D2): 2-pin, max, 1 x 1.5mm ² Push button or Slave (R/S, R/S): 2-pin, max 1 x 1.5mm ²
IP protection rating:	IP40 (flush mount) or IP42 (Surface mount)
Flush mount cut out size:	65mm
Operating Temperature:	0 - 35°C
Compliance:	RCM and CE - Low voltage directive 2006/95EC and EMC directive 2004/108/EC
Colour:	White
Dimensions (LxWxH):	107x107x33 mm (flush mounted) 107x107x53 mm (surface mounted)

Penetration

Material	Penetration	Attenuation
PVC & plastic	Yes	5% - 10%
Wood	Yes	10% - 20%
Glass	Yes, the different thickness of glass can result in different attenuation	15% - 30%
Brick	Yes, the brick wall with thickness less than 30cm	60% - 70%
	Yes, the brick wall with thickness over 30cm	100%
Reinforced concrete	No	100%
Metal	No	100%

Schneider Electric (Australia) Pty Ltd

Contact us: clipsal.com/feedback

National Customer Care Enquiries:

Tel 1300 2025 25 Fax 1300 2025 56

New Zealand National Customer Care Enquiries:

Tel 0800 652 999 Fax 0800 101 152

Life Is On

CLIPSAL
by Schneider Electric

Schneider Electric (Australia) Pty Ltd reserves the right to change specifications, modify designs and discontinue items without incurring obligation and whilst every effort is made to ensure that descriptions, specifications and other information in this catalogue are correct, no warranty is given in respect thereof and the company shall not be liable for any error therein.

© 2015 Schneider Electric. All Rights Reserved.

Trademarks are owned by Schneider Electric Industries SAS or its affiliated companies.