

BFR2 MICROWAVE RADAR



TECHNICAL SPECIFICATIONS

Technology	Hyperfrequency and microprocessor
Frequency emitted	24,125 GHz
Power density emitted	< 5mW/cm ²
Installation height	3 m max.
Tilt angle	0° to 90° vertical -30° to +30° lateral
Detection area (typical):	
• wide lobe	4 m (W) x 2 m (D)
• narrow lobe	2 m (W) x 2.5 m (D)
Detection mode	movement
Minimum speed of	5 cm/s (measured in the detection axis of the radar) from 12 to 24 V AC ±10%
Power supply	from 12 to 24 VDC +30 %/- 10 %
Sector frequency	50 to 60 Hz
Power consumption	< 2 W
Standard output switch-over relay (voltage free contact):	
• relay contact ratings (max voltage)	75 VDC / 50 VAC
• relay contact ratings (max current)	1 A resistive
• max. switching power	30 W (DC) / 60 VA (AC)
Output holding time	0.5 s to 13 s (adjustable)
Manual adjustments:	
• sensitivity (for push buttons)	
• lobe orientation (mechanically)	
• lobe shape (choice of antenna)	
Temperature range	-20 °C to +55 °C
Immunity	electromagnetic compatibility (EMC) in accordance with 89/336 EEC
Dimensions	120 mm (W) x 80 mm (H) x 50 mm (D)
Weight	0.215 kg
Material	ABS
Enclosure	black
Cable length	2.5 m