

SMOKE DETECTOR



Beammaster 5 is a state-of-the-art linear beam fire detection system comprising a transmitter, receiver and an optional keypad. The Active Infrared system can fully protect an area of up to 1400 m² at the maximum specified range of 100m between the transmitter and receiver. BM5 offers the highest quality fire detection.

Beammaster 5 has been designed to be reliable and easy to install. Thumbwheels allow vertical and horizontal alignment and, when in alignment mode, the target LED on the receiver will highlight when the strongest signal is being received from the transmitter.

A push button is provided within the unit to activate automatic adjustment of the signal to the correct operation level.

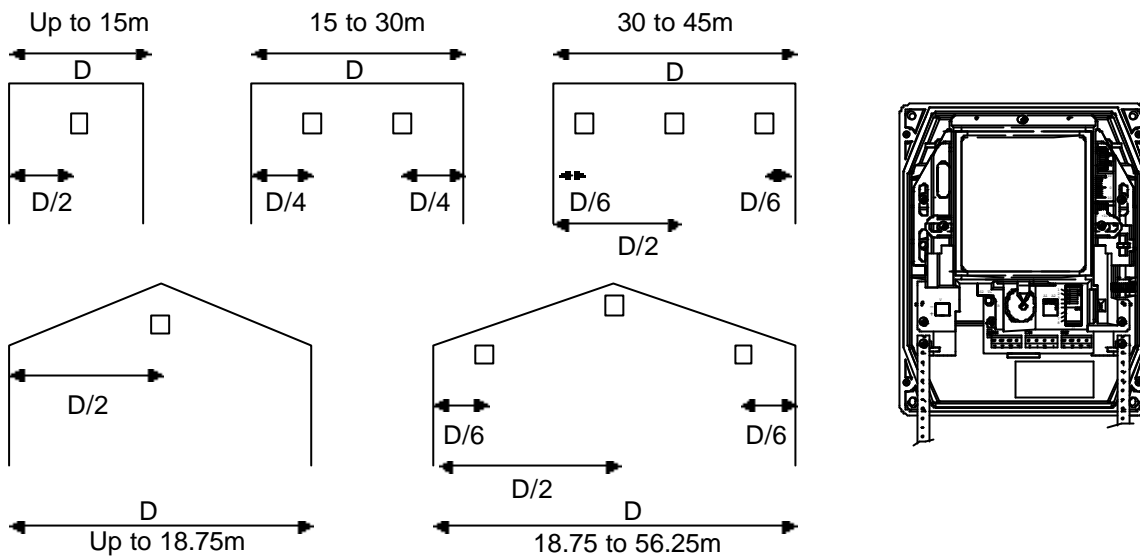
A LCD keypad is available to assist the installation engineer or can be installed as a permanent feature for low level maintenance. Upon installation, settings can be programmed that adjust smoke

and heat thresholds to suit the environment. A soak mode is available where 24 readings taken over a 60-minutes period are stored in the memory and can be accessed through the LCD keypad. Access to this information is protected by either a PIN or Electronic Key.

Beammaster 5 reacts to both heat and smoke elements of a fire. This means that smokeless fires such as burning alcohol, which standard smoke sensors/systems could ignore, will be detected.

The system's built in intelligence continuously confirms correct operation and compensates for the effect of dirt building up on the lenses, giving complete confidence in the operation of Beammaster 5. Covering up to 1400 m² of floor space, there are obvious cost savings over single point smoke sensors as well as less opportunity for errors. If fitted, the keypad's 2-line display informs the user of system status in a choice of four languages.

COVERAGE



W73550	Beammaster 5	Transmitter and Receiver complete
W73551		Beammaster 5 LCD Keypad
W72181	Filter Red	Test obscuration filter
W72182	Filter Yellow	Test obscuration filter
W72183	Filter Blue	Test obscuration filter
W74091		Meter point connection adapter

Range		7 - 100 metres
Power	Voltage	9.0 (10.7 when using keypad) - 33.0 Vdc
Standby Current	Transmitter Receiver Transmitter Receiver	2.3 mA @ 24 Vdc 24 mA @ 24 Vdc 1.9 mA @ 12 Vdc 35 mA @ 12 Vdc
Alarm Current	Transmitter Receiver Transmitter Receiver	2.3 mA @ 24 Vdc 30 mA @ 24 Vdc 1.9 mA @ 12 Vdc 44 mA @ 12 Vdc
Keypad Current	Backlight Off Backlight On	20 mA @ 12 Vdc - 12 mA @ 24 Vdc 50 mA @ 12 Vdc - 30 mA @ 24 Vdc
Temperature		-10° - +55° C
Range (iris supplied)	Short Medium Long	7m - 13m with iris 30m - 50m without iris 13m - 20 m with iris 50m - 80m without iris 20m - 30m with iris 80m - 100m without iris
Angle of Adjustment		±10° horizontally or vertically
Threshold Range		5 - 50% obscuration (smoke) 8 - 20% modulation (heat)