

WIRELESS FIRE DETECTION

FireCell System EN54-23 Visual Alarm Devices (VAD's)

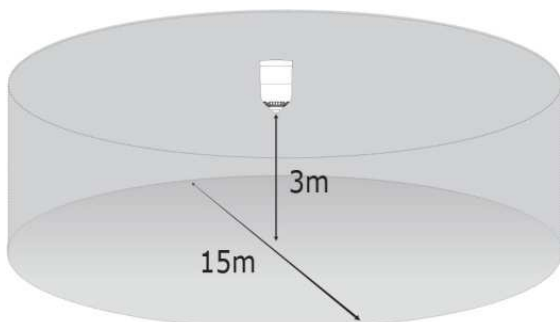
The new standard for Visual Alarm Devices (VADs), EN54 Part 23, was introduced in December 2013 and it specifies the requirements, test methods and performance criteria for VADs in automatic fire detection and alarm systems.

VADs now have to comply with this European standard and EMS has introduced a new range of wireless VADs that meet its exacting requirements.

The EMS FireCell range now has new EN54 part 23 beacons and EN54 part 3 and 23 sounder beacons which are available in wall mounted and ceiling mounted versions. Each product is provided in either red or white coloured mouldings and each beacon type will flash with a high intensity white light.

Ceiling Mounted Variant

The ceiling mounted variant has an EN54-23 approved coverage pattern of C-3-15. Therefore each device can be mounted up to 3m high and provide a 15m cylinder diameter coverage which can cover a 10.6m x 10.6m square room with a single device.

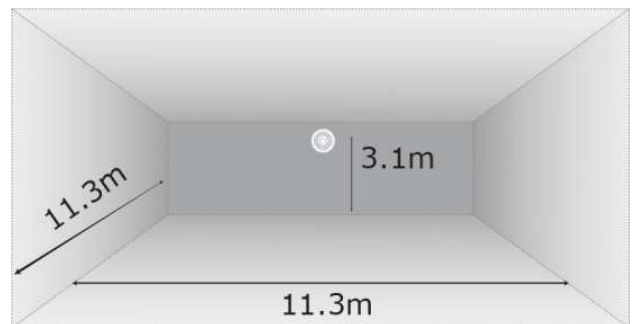


EN54-23 Coverage: C-3-15

Wall Mounted Variant

The wall mounted variant has an EN54-23 approved coverage pattern of W-3.1-11.3. Therefore each device can be mounted up to 3.1m high and can cover an 11.3m x 11.3m square room with a single device.

Existing visual indicators on FireCell systems can be upgraded in just a few minutes simply by changing it with an EN54 part 23 compliant VAD while at the same time retaining the installed wireless base. When replacing an existing wall mounted visual indicator with a wall mounted VAD, it may be necessary to re-orientate the wireless base mounting plate to ensure that the light is projected correctly.



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The current visual indicator devices and the combined detector bases are still current and will still be supplied by EMS.

To meet the requirements of EN54 part 23 the new VAD devices have had to make use of different optical and sounder technologies than those that are used in the current products. While the new VADs are compatible with the wireless base the synchronisation between the new and old technologies is different.

A table outlining the synchronisation between the old and new VAD products is shown below:-



Synchronization Table	Wall Mounted VAD Sounder Beacon	Wall Mounted VAD Beacon Only	Ceiling Mounted VAD Sounder Beacon	Ceiling Mounted VAD Beacon Only	Sounder Visual Indicator	Visual Indicator Only	Existing Sounder	Combined Sounder	Combined Sounder Visual Indicator
Wall Mounted VAD Sounder Beacon	✓	✓	✓	✓	✗	✗	✗	✗	✗
Wall Mounted VAD Beacon Only	✓	✓	✓	✓	✗	✗	✗	✗	✗
Ceiling Mounted VAD Sounder Beacon	✓	✓	✓	✓	✗	✗	✗	✗	✗
Ceiling Mounted VAD Beacon Only	✓	✓	✓	✓	✗	✗	✗	✗	✗

Should you wish to purchase an upgrade to your FireCell system this can be organised by contacting EMS Customer Service at Head Office on 01227 369570 or via your Regional Business Development Manager.

EMS Ltd
Technology House
Sea Street
Herne Bay
Kent
CT6 8JZ



Tel:01227 369570
www.emsgroup.co.uk