

## P80SW, P80SR & P85SR Addressable Wall Sounder



Sounders are considered as the most important of all the alarm devices. It is a mandatory requirement that sounders are used as an integral part of the fire detection and alarm system.

The P80S range of compact addressable wall sounders includes three models with the same low current and high output specification; red and white body indoor models plus an IP rated version for either outdoor use or for harsh environment applications.

EN54-23 now provides clarity by standardizing requirements, test methods and performance criteria of Visual Alarm Devices (VADs) and ensures all device parameters are measured in a uniform manner throughout Europe.

### Main Requirements from EN54-23 are:

- The coverage volume (i.e. volume within which required illumination is achieved) must be stated on the product or supporting documentation.
- The VAD should meet the requirement for coverage volume of at least one of the following categories: W (Wall), C (Ceiling), O (Open Class).
- Required illumination of 0.4 lux on a surface perpendicular to the direction of the light emitted from the VAD.
- The rate of flash should be stated between 0.5Hz and 2Hz.
- The devices must be classified as Type A, indoor and Type B, outdoor.

## Features

- A compact and unobtrusive sounder solution
- Reflective Sound Monitoring (RSM)
- Automatic self-test
- Indoor and outdoor versions
- Indoor models can be semi-flush or surface mounted including a choice of shallow or deep back box
- IP rated option has a deep surface back box
- Power and data from the loop. No additional wiring or power supplies required
- Built-in line isolator
- 16 selectable tones
- Realistic conventional bell tone
- 2 selectable volumes
- Select the tone volume using panel configuration software
- Different tones can be used for fire alarm and class change
- Rectangle wall mount for an aesthetically pleasing option
- A locking pin/screw supplied which prevents unauthorized removal

## Order Codes

576.080.003	P80SW Addressable Wall Sounder White
576.080.004	P80SR Addressable Wall Sounder Red
576.080.005	P85SR Addressable Wall Sounder IP
557.080.007	S-BOXR Shallow Surface Back Box For Indoor Wall Sounder / VAD / VID Red
557.080.008	S-BOXW Shallow Surface Back Box For Indoor Wall Sounder / VAD / VID White
557.080.010	A-BOX Flush Back Box Adaptor For Indoor Wall Sounder / VAD / VID
557.080.011	D-BOXR Deep Surface Back Box For Indoor Wall Sounder / VAD / VID Red
557.080.012	D-BOXW Deep Surface Back Box For Indoor Wall Sounder / VAD / VID White

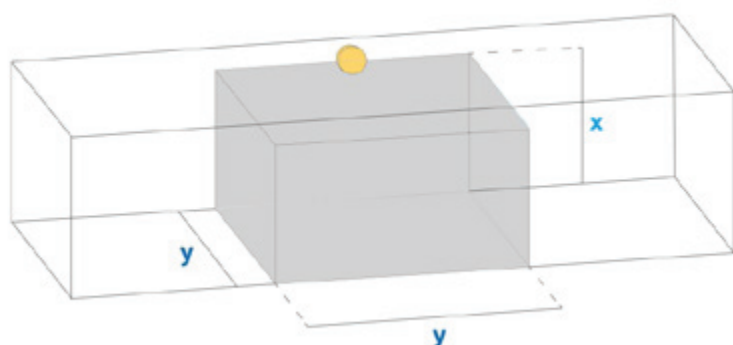
## Technical Information

	P80SW	P80SR	P85SR
Devices per Loop:	Up to 119 (*)	Up to 119 (*)	Up to 119 (*)
Dimensions (WxHxD):	89x135x40mm (Without backbox)	89x135x40mm (Without backbox)	105x153x97mm (With IP backbox)
Sound Output @ 1m:	Up to 100dBA	Up to 100dBA	Up to 100dBA
Body Colour:	White	Red	Red
IP Code:	IP21C	IP21C	IP55
Approvals:	EN54-3, 17	EN54-3, 17	EN54-3, 17

(\*) Sounder set at high volume, 1 A loop.

Loop quantities are for guidance only and should be verified with the loop calculator.

## Wall Category



**Coverage volume code:**

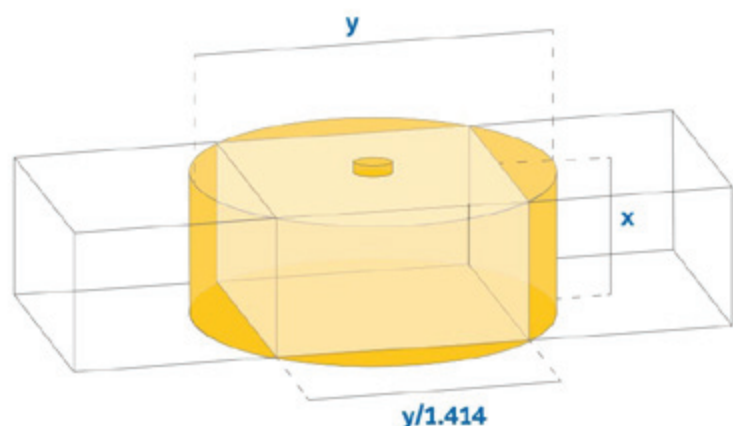
**W – (x) - (y)**

**W = wall mounted**

**x** = maximum mounting height

**y** = length and width in metres of the cubic volume covered (to a minimum level of 0.4 lux) when the device is mounted to the wall at a height of x

## Ceiling Category



**Coverage volume code:**

**C – (x) - (y)**

**C = wall mounted**

**x** = maximum mounting height

**y** = diameter in metres of the cylindrical volume covered (to a minimum level of 0.4 lux) when the device is mounted to the ceiling at a height of x

## Open Class Category

The coverage volume and its shape are specified by the manufacturer and include mounting position and orientation alongside any restriction on the mounting height.