



What is the AWSoundSign?

AW SoundSign™ is a highly visible noise activated warning sign that has been designed for use in environments where there is a need to clearly warn or indicate when a preset noise level is reached.

Benefits at a glance

- > Lights up when a preset noise level is exceeded
- > Quick & simple to install
- > Trigger level from 40dB(A) to 114dB(A) for use in any environment
- > High intensity white LED technology for high visual impact and a long operating life
- > Use text and graphics to communicate specific noise level warnings
- > Suitable for outdoor use or locations requiring regular cleaning such as hospitals or food processing
- > The AW SoundSign features IP65 rated connectors with integral microphone



In addition to the traditional Noise at Work style sign, the AW SoundSign is also available with a range of other graphics and text which allows it to be used in environments where the noise levels may not reach those where hearing protection is required, but where there is still a need to warn or indicate excessive sound levels.

Ideal for Noisy Environments

Use the AW SoundSign in noisy environments such as factories, workshops, and other areas which could be exposed to the elements to warn when noise levels become too high, and indicate when hearing protection must be worn. For example, the “Hearing Protection Must Be Worn” version can be used to reinforce the need to wear hearing protection when noise levels reach a set level.

A noise survey may have indicated that the levels will exceed 90dB(A) when certain processes occur but this may happen at random intervals throughout the day. The wearing of hearing protection may not be required at all times and so the use of the SoundSign will inform employees when it is required and when it can be safely removed.

Installation and Use

Installation of the AW SoundSign is very simple. Select the required trigger level and connect the 12v power supply to the unit. When the noise level measured reaches this level, the sign will illuminate and show the warning.

The unit can also be set to keep the warning illuminated for up to 30 seconds after the level has fallen back below the trigger level. This removes the sudden on-off indication that traditional noise warning signs often produce and which can cause confusion as to when hearing protection should be worn. The AW SoundSign avoids these problems.

The sound level chosen for the trigger point can be set using either the simple level selection on the back of the unit or by using a calibrated Sound Level Meter to provide a reference measurement.

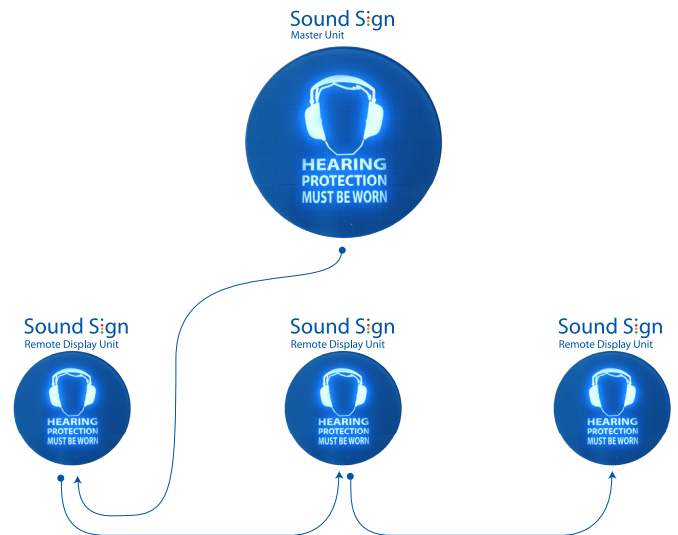
The brightness of the display can be adjusted making the AW SoundSign ideal for use in outdoor environments

Remote Display Units

The SoundSign is also available as a Remote Display Unit which is controlled by a Master SoundSign.

These units are connected by a simple cable to the Master and up to three can be daisy-chained together so that a wide area can be covered.

The Remote Display Units will duplicate the Master Unit warning using the same configuration of trigger level, time weighting and illumination options.



Specifications

Application	Noise activated warning sign
Trigger Level	40dB(A) to 114 dB(A) in 1dB Steps
Microphone	Integral
Frequency Weighting	'A' Weighting to IEC 61672-1:2002
Time Weighting	Slow to IEC 61672-1:2002
Visual Indication	High intensity white LED with four standard designs User selectable brightness levels
Display delay time	None or 30 seconds
External Power	2.1mm Power Jack, 12v DC via CU:200 Mains Power Supply
Output Connector	Control for Remote Display Units via standard 2.1mm Power
	Up to three Remote Display Units can be powered from a Master Unit
Dimensions	12"mm diameter, 2"mm depth
Weight	1.3lbs (0.6kg)
Mounting	2 x Keyhole mounting slots
IP Rating	IP65

Ordering Information

The CR:201AW Master Unit and CR:202AW Remote Unit are available with a selection of standard designs which are listed below.

Custom design options are available. Please contact Cirrus Research for details of these custom design options.

CR:201AW Sound Sign Master Unit with microphone & mains power supply

- CR:201/1AW Sound Sign Master Unit with "Hearing Protection Must Be Worn"
- CR:201/2AW Sound Sign Master Unit with "Warning High Noise Levels"
- CR:201/3AW Sound Sign Master Unit with "Caution High Sound Levels"
- CR:201/4AW Sound Sign Master Unit with "SHH! Quiet Zone"

CR:202AW Sound Sign Remote Display Unit with 10m inter-connection cable to Sound Sign Master Unit

- CR:202/1AW Sound Sign Remote Unit with "Hearing Protection Must Be Worn"
- CR:202/2AW Sound Sign Remote Unit with "Warning High Noise Levels"
- CR:202/3AW Sound Sign Remote Unit with "Caution High Sound Levels"
- CR:202/4AW Sound Sign Remote Unit with "SHH! Quiet Zone"

CR:203AW USB Data Logging Plug-in for Sound Sign Master Unit with PC software



Supplied Accessories

CR:201 Sound Sign Master Unit:	CU:200 Mains Power Supply ZL:206AW 3m AW Power Extension Cable
CR:202 Remote Display Unit	ZL:207 10m Inter-connection cable to Master Unit

Optional Accessories

ZL:207AW	10m Inter-Connection Cable for AW SoundSign Units
CU:200	Mains Power Supply for CR:201 AW SoundSign Master Unit (Not IP Rated)(EU, UK, US Fittings)
ZL:206AW	All Weather power lead 3 meter. To connect between non IP rated CU:200 PSU and SoundSign.
CU:201AW	AW SoundSign UK PSU (IP67) 3.3 with standard UK plug



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