EMS

TemPoint

SOUNDER SENSOR

INSTALLATION MANUAL

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Logging on a Sounder Sensor

If the installation has been ordered as a complete system the devices and panel will be supplied already "pre-programmed". The process of adding radio devices (Callpoints, Detectors, Sounders, Input / Output Units and Transponders) to the TemPoint Control Panel, is largely carried out automatically, by the Panel's own operating system. It is usual practice for each device to require "logging on" to the system. In such cases, the following action must be taken.

The sounder sensor is shown in **figure 1** and consists of two separate sections. The sensor sounder module and the mounting section. The sensor/sounder can be programmed to the system by the following procedure.

Figure 1   **Figure 2**

The mounting plate is shown in **figure 2** and can be removed by turning the mounting plate whilst holding the sounder/sensor section.

Ensure the "Logging On" function on the control panel is enabled (see section 5 of the 5000 commissioning manual for details.

If not already done fit the batteries in the provided slots **figure 3** leaving out the one covering the Log On button.
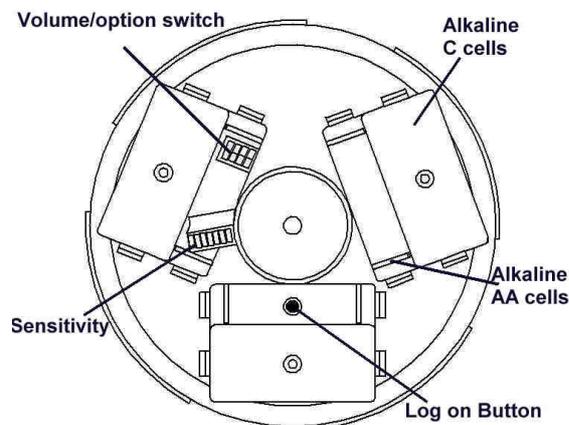

Figure 3

Press the logon button as shown in **figure 3** for about 3 seconds. The message **Log On Default Device XXX** (Where **XXX** is the number allocated to the device on the system) will be displayed on the Pager receiver and also on the front display of the control panel.

After a short time the message **Added Default Device XXX** will be displayed on the Pager receiver and also on the front display of the control panel.

After approximately 10 seconds **New Head Default Device XXX** will be displayed on the Pager Receiver and on the Control Panel's display.

If logging on is completed disable the control panels log on feature see section 5.22 of the 5000 commissioning manual

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Setting sensitivity

The EMS Sounder Sensor is now supplied with a Dual Detector element, which is able to detect either smoke or heat by simply changing the head switch configuration. The benefit of the new Dual Detector element is to allow easy interchanging between heat and smoke modes without having to purchase a new device. The sensitivity switch location is shown in **Figure 4**.
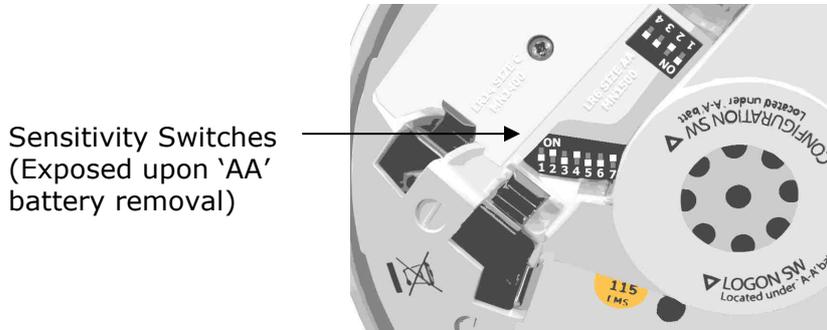

Sensitivity Switches (Exposed upon 'AA' battery removal)

Figure 4

Figure 5 & **figure 6** below illustrate the dip switch settings to accomplish the required function from the detector head.

Smoke Head Sensitivity Settings

Sw 1	Sw 2	Sw 3	Sw 4	Sw 5	Sw 6	Sw 7	Mode of Operation	Smoke Sensitivity % Per M
Off	Off	Off	On	Off	X	On	High Sensitivity	1.6
Off	On	Off	On	Off	X	On	Normal Sensitivity	2.3
On	Off	Off	On	Off	X	On	Low Sensitivity	3.0
On	On	Off	On	Off	X	On	Low Sensitivity + AVF	3.0 + AVF

Figure 5

Heat Head Sensitivity Settings

Sw 1	Sw 2	Sw 3	Sw 4	Sw 5	Sw 6	Sw 7	Mode of Operation
Off	Off	Off	Off	On	X	On	58°C ROR
Off	On	Off	Off	On	X	On	58°C fixed
On	Off	Off	Off	On	X	On	75°C fixed
On	On	Off	Off	On	X	On	82°C fixed

Figure 6

X – Not Used
ROR – Rate of Rise
AVF - Accelerated Alarm Verification, to prevent false alarms due to transient smoke.

Please Note

The Final commissioning, system sensitivity detection settings and hand over of the radio fire system to the end user is the responsibility of the fire installation contractor.

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Configuration Switch Settings

The Sounder Sensor is dispatched with configuration switches set as per **Figure 7**.

Default Switch Settings:

Switch 1: Tamper Disabled
Switch 2: Self Sound Disabled
Switches 3/4 = Volume High

Figure 7

Tamper Disablement Feature

The sounder sensor has a tilt operated tamper switch for removal detection this can be enabled or disabled using Switch 1.

Putting switch 1 to the on position will disable the tamper switch and transmit a tamper restore signal to enable the resetting of any displayed tamper events from the device.

Self Sound Feature

The sounder sensor has the ability to sound immediately when the fire panel is used in visual delay mode this means that it is possible for an individual area to be alerted without evacuating the whole building.

To enable the self-sounding option switch 2 must be in the on position.

Sounder Volume

The Sounder volume can be adjusted using the switches 3 and 4**.** The switch settings for the volume are shown in **figure 8**.

	High	**Medium**	**Low**
Switch settings	3 & 4 On	3 Off 4 On	3 & 4 Off

Figure 8

Additional Anti Tamper Fixing

Additional protection can be made by fitting the supplied anti tamper screws.

PLEASE NOTE:
Tamper Knockout requires removal in order to fit the Anti Tamper Screw