



# EMS FirePoint<sup>5000</sup>

## Dual Detector Head (Smoke/Heat) Switch Settings

The EMS Detector range are now supplied with a Dual Detector head, which is able to detect either smoke or heat by simply changing the head settings.

Behind the Detector head module, a bank of 7 dip switches is located. The switch configurations provide much different functionality of the detector head and allow either smoke or heat mode to be selected.

The benefits of the new Dual Detector head module is to allow easy interchanging between heat and smoke modes without having to purchase a new head module.

The tables 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

**Table 1**

### 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

**Table 2**

**X – Not Used**

**ROR – Rate of Rise**

**AVF - Accelerated Alarm Verification, to prevent false alarms due to transient smoke.**

### Dual Detector Sensitivity

The Dual Detector set into single smoke or heat mode has new specified sensitivity levels of detection. These are supported by current standards (EN54 part 5 for smoke and EN54 part 7 for heat).

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.