

## **EV-Multi-sensor Timed Disablements** **Applicable to EV-PH, EV-DPH-A2R and EV-DPH-CS**

This technical guidance sheet is to assist in configuring an EVO + or MXPro5 panel where it is desired to operate Different multi-sensor elements at different times of the day. For example it is possible to use the heat detector element of the detector during the day, perhaps to avoid false alarms from a process or activity which could trigger a smoke alarm. At night the Optical sensor element can be enabled to provide full smoke detection with heat capability.

In Order to configure this functionality it is necessary to use an output and an input to the panel. These can be the panel output relay and a panel input or an input / output unit (EV-SIO) connected to a loop. In this example we will use an EV-SIO input / Output unit.

Steps to configure:-

- 1) Firstly decide on a disablement group number to use for the affected devices e.g. disablement group 1
- 2) Apply this disablement group to all the optical element (sub address) in the multi-sensors, Change in the point details box the disablement group number.
- 3) Set up a Time clock in the Time clock window and setup the times for on and off for each day as desired. Remember the time clock number.
- 4) Set up a cause and effects group using time clock as the input event and select the time clock number set up in step 3.
- 5) Apply the cause and effects group above to the output of the EV-SIO (or other chosen output).
- 6) Wire the output of the EV-SIO to activate the Input of the EV-SIO (or other chosen input)
- 7) Select the input which the output of the EV-SIO has been wired to and in the point details set the input action as 'DISABLE GROUP' and set group 1 as the disablement group for this input (or the disablement group used for step 1 above)

The sequence is that when the time clock is 'ON' the output switches on the module to signal an input to activate a group disablement for the optical elements of the associated multi-sensors.

If you need any further guidance please contact Nittan Technical Support:

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