

Technical Bulletin

Sigma 2 Control Panel - Interfacing with other Control Panels

TB 1025

It is often a requirement, where more than one fire alarm control panel is installed, to operate the sounders on control panels other than the panel that has detected the alarm condition.

This is normally achieved with a complicated concoction of interposing relays often resulting in a messy and poorly documented installation and inherent unreliability.

Sigma 2 control panels have connections specifically for this purpose. By connecting the R0V, AL and Local Fire relay terminals together as shown below with a two core cable between each, panels that have detected an alarm condition can signal all other panels to operate their sounder outputs.

By default, the R0V terminal has a steady signal and with this configuration, sounder outputs on all control panels will operate continuously.

By selecting configuration option 24, this may be changed to a one second pulsing signal.

If option 24 is enabled on all control panels, the panel at which the alarm condition originated will operate its sounder outputs continuously while all other panels pulse their sounder outputs at the rate of one second on and one second off.

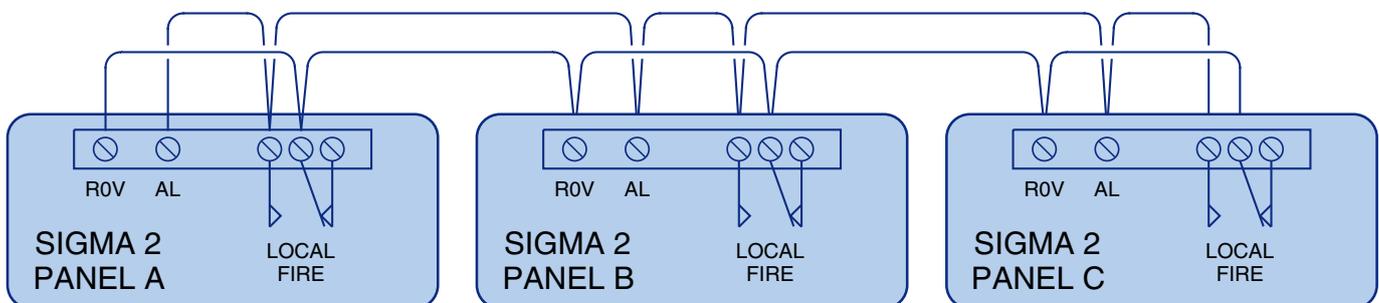


When connected together like this, silencing the alarm on the originating panel will silence the sounders on all other panels. Silencing the sounders at panels that did not originate the alarm condition will silence the sounders connected to that panel only.

Pressing the sound alarm button on any panel will sound the alarm on all panels.



Any number of Sigma 2 panels may be connected together provided that the total resistance from one end of each cable to the other does not exceed 25 Ohms.



Refer to the Sigma 2 manual for full operating and programming instructions