

Technical Bulletin

Syncro Control Panel - Plant & Peripheral monitoring options

TB 1027

The Kentec Syncro range of control panels is a highly configurable control and indicating system used primarily for the detection and processing of fire alarm signals. However the flexibility of the Syncro system ensures that it may be configured to support other types of alarm events and control outputs in response to any input activation.

By use of loop powered monitoring devices, the Syncro system may be used to monitor;

- Fire exit door contacts (may also be configured to give a local alarm when these doors are opened).
- Perimeter monitoring systems
- Personal attack systems
- Disabled toilet alarms
- Sprinkler tank and pump set systems
- Water detection systems (Hydrosense water detection panels)
- Automatic fire protection systems (Extinguishing control panels)

Powerful cause and effect programming utilities allows any output on the system to be configured to operate for the activation of any input. This allows panel and loop driven relays to be configured to control plant that wouldn't normally be associated with the fire detection system, such as;

- Automatic CCTV camera panning & camera selection via the CCTV control system
- Door alarm and panic alarm sounders via loop driven sounder outputs
- Computer power shutdown systems (in the event of water detection)

Any switched input on the Syncro system (such as switch monitors on the detection loop, or panel remote control inputs) may be configured to one of 10 input action types;

| Event Type/ Event Message | Panel Response | Panel Action |
|------------------------------|---|--|
| Fire | Fire switches all outputs selected to default ring mode (sounder outputs, fire relay and alarm contact as default). | Fire + zone indicators. Pulsing buzzer |
| Fault | Fault switches on any output configured as a fault output (fault contact in panel as default). | General fault indicator + continuous buzzer. |
| Pre-alarm | Used as advance warning of a fire. No outputs as default. | Pre-alarm indicator + continuous buzzer. |
| Tech Alarm | No panel outputs operate for this event type. | Message in LCD and buzzer operates continuously for 5 seconds. |
| Evacuate | All Evacuate outputs switch (sounders by default). | Common fire indicator, pulsing buzzer - no zone indication. |
| Alert | Any output configured as an Alert output will pulse (panel sounders by default). | Common fire indicator, pulsing buzzer - no zone indication. |
| Security Action | Hochiki base sounders configured as security output will operate using the security tone selection. | Common fire indicator, pulsing buzzer - no zone indication. |
| Transparent | Used in cause and effects to operate outputs on system with no notification on panel. | No notification on panel |
| Disablement | Used in cause and effects to disable inputs or outputs anywhere on system. | General disablement indicator, buzzer operation for 5 seconds, message in LCD. |
| Test Mode | Used in cause and effects to select zones into test mode. | On test indicator illuminated, continuous buzzer operation, message in LCD. |