GENT
by Honeywell

Technical Bulletin

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Product parts affected

Conventional AV Sounders - Pulsed Output on Fire Alarm Panels



Details

We would like to inform you about a particular characteristic on the recently introduced conventional sounder range which make them unsuitable for refurbishment applications where the sounder circuit is pulsed in order to generate dual stage Alert and Evacuate warnings.

The Honeywell conventional sounder range is limited to providing a single tone when wired on a two wire circuit. If a dual stage alert system is required the new Honeywell products can provide this feature when wired using a three core cable to provide independent signals for the Alert and Evacuate.

Our new Conventional sounder range has a two second delay before any sound is generated; this delay allows the device to initialize and start its internal clock circuitry which in turn allows the device to achieve the required synchronization and start up performance.

This two second start-up delay means that the Honeywell conventional sounders will not function as required on a sounder circuit which pulses at a rate of one second on and then one second off.

Action

The following considerations should be taken into account:

1. There is no need to drive a sounder circuit in pulse mode to produce an intermittent or pulsed tone when using a Honeywell conventional sounder as it provides 32 approved tones with many alternating and pulsed tones so the circuit can be set to constant mode and the required tone selected from the device DIP switch.

2. In existing or retrofit applications where the current sounders do not offer alternating tones and the circuit must be pulsed, the new Honeywell conventional sounders would not be a suitable replacement.

3. If all existing sounders are to be replaced with new Honeywell conventional sounders, an alarm / alert system can be realized after the sounder circuit is reconfigured to a three-wire system.

4.In installations where the existing bells are to be retained and Honeywell sounders are to be added, then the circuit must be configured to a constant output. Please also note that Honeywell conventional sounders provide an approved bell tone that could be utilized in this application.

If you have any questions please contact Gent Technical Services on 0116 246 2134.

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