-METASYS®

Appendix H: Presignal/Positive Alarm Sequence (PAS), Coding, and Time Control

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Presignal/Positive Alarm Sequence (PAS), Coding, and Time Control

Presignal and PAS

Activation of outputs that contain Z90 in their Control-by-Event (CBE) equation will be delayed for all alarm initiating devices that also contain Z90 in their CBE equation. A subsequent alarm will abort the delay and Control-by-Event equations will be executed. Do not include Z90 in the CBE equation for a releasing device. Pressing the Alarm Silence switch before the delay has expired will abort circuit activation.

Presignal

Presignal delay time can be set between 60 and 180 seconds. Pre-signal delay will not apply to the system alarm relay, 4XTM polarity reversal alarm output, 4XTM Municipal Box, and any RTM-8 output.

Positive Alarm Sequence (PAS)

Selected outputs are delayed for 15 seconds. Pressing Acknowledge within the 15 second delay will increase the delay to the full value programmed (60 to 180 seconds). The system alarm relay, 4XTM Polarity Reversal Alarm output, 4XTM Municipal Box output, and the RTM-8 Transmitter output will be delayed when the alarm is from an initiating device that contains Z90 in its CBE equation. Do not include Z90 in the CBE equation for any monitor module that connects to a device other then an automatic fire detector. PAS will not delay the RTM-8 relay outputs. NFPA 72 requires the installation of a PAS Inhibit switch. This can be accomplished by using a monitor module with Type Code `PAS INHIBIT`.

Time Control

All outputs that contain Z95 (or Z96) in their CBE equation will be activated between the times specified, for the days of the week listed in Z95 (or Z96). All smoke detectors that contain Z95 (or Z96) in their CBE equation will switch to their lowest sensitivity (3.0%) between the times specified for the day-of-week listed, in Z95 (or Z96). Time control is active for all days-of-week listed in Z95 (or Z96). Holidays listed in Z97, however, will be excluded unless H is listed in the day-of-week selection. Enter time in 24-hour format with Off time greater than On time. When using time control, always press the Reset switch when making programming changes.

Note: Active time control outputs turn off momentarily when programming or resetting the control panel.

Coding

Control panel NACs that contain Z98 in their CBE equation are coded when activated by a fire alarm. However, the NACs are steady if activated by a Hazard Alert only. Do not include Z98 in the CBE equation if these circuits are used for releasing applications. Select coded type on a system base, via zone 98. The following code selections are available.

Table 1: Code Selections

Code	Description
MARCH TIME (default)	120 ppm (pulses per minute)
TWO STAGE	Alert signal--20 ppm; General alarm signal: Steady on
CALIFORNIA	10 sec. on, 5 sec. off, repeats
TEMPORAL	0.5 on, 0.5 off, 0.5 on, 0.5 off, 0.5 on, 1.5 off, repeats

Note: An Alert Signal is automatically sent to any of the four NACs that are not mapped to the alarm signal but are mapped to Z00 and Z98. After 5 minutes without an Acknowledge or Alarm Silence, the Alert signal becomes steady.

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