

LATCHED ALARMS (V3 OR LATER)

This feature enables special processing for Inputs designated as a “Latching” Input via their Process Group.

Normally, Alarm messages are generated as part of Area Process Group processing and broadcast to selected terminals. (Dependent on the “Alarm Message Types” options selected in Process Group programming and LCD Terminal programming.)

The message may then be read and acknowledged by an authorised User upon PIN code entry. Only one alarm is kept per area, with the last Input causing an alarm being displayed.

The Latched Input concept can be used in addition to, or as an alternative to, the above. A Process Group option, (L)atched Alarm, allows an Input alarm to be latched. Alarm processing is identical to normal operation, except that when an alarm occurs on an Input, a flag is set to indicate that the input has had a latched alarm. A level message is generated and displayed on relevant terminals.

All inputs that have had a latched alarm may be inspected on specified LCD Terminals by pressing the UP/DOWN arrow keys without PIN code entry, or via a PIN code entry and the panel status menu (MENU, 1, 5).

The input can only report a single alarm, tamper or isolate until the latch input has been reset via a PIN code entry.

Latched Input Alarms are cleared whenever a PIN code is entered by a User with a Menu Group that has the (R)eset latched alarms option set to Yes. The latched input can only be cleared if the input is sealed.

Additionally, Latched alarms do not report a Restore until the latch is cleared via a PIN code entry.

When an Area is turned off, all Latched Inputs are cleared unconditionally and a Restore will be generated if the following conditions are met:

1. The input is currently not isolated.
2. The last report was not a Restore.
3. The Input is currently sealed.
4. Restore reporting is enabled.

Rule 3 is removed if the (U)nsealed restore option is set to Yes in the Process Group.

1. Program the Input/s that are to be processed as Latched Alarms. [MENU 7, 0]

- 1.1 Select the Input to be programmed/edited and program a name and other attributes as described in “Alarm Processing” in the Basic Programming Guide.

2. Program the Process Group. [MENU 2, 4, 3]

For this function, one or more dedicated Process Groups should be programmed.

- 2.1 Select a new Process Group and program a name. e.g. Latching Alarms.
- 2.2 Program the required “Input Type” options. [T A E X U P L S]
 - Set the “T” (Tamper) option to Yes.
 - Set the “A” (Alarm) option to Yes.
 - Set the “L” (Latch Input) option to Yes.
- 2.3 Program the required “Communications Reporting” options. [I T A R E X U S]

Typically the Isolate, Tamper, Alarm and Restore options are set to Yes.
- 2.4 IF reporting via Contact ID, you may program the Contact ID Event Code to be sent for Inputs with this Process Group assigned. If left at “000” a default message will be sent (140 for Zone Input Alarms). *Consult with the Central Monitoring Station and See Tables section for Contact ID Event Type details.*

- 2.5 Program the Area Auxiliaries to activate. [T 1 2 3 4 I]
 This will be required IF devices such as Cameras, Alarm indicators, Strobe, etc. are to be triggered.
 -Set Alarm 2 Auxiliary to Yes IF you require the Auxiliary to be On while the Input is in Alarm and automatically turn Off when the Input Seals. (V3 or later)
 -Set any other Alarm Auxiliary to Yes IF you require the Auxiliary to turn On when the Input goes into Alarm and turn Off by another mechanism. e.g. Area Off, Auxiliary Timer, Calculated Auxiliary, etc.
- 2.6 IF Sirens are required:
 -Program the Siren Tone selection for the Alarm and Tamper states.
 -Set Siren Lockout to Yes IF Zones that caused the Siren activation are to auto isolate when the Siren timer expires.
- 2.7 Program the LCD Terminal Alarm Message Types to generate. Typically Type 1 set to Yes.
 At least one Alarm Message Type must be set to Yes.

3. Program the Area. [MENU 7, 1]

- 3.1 Select the Area to program/edit. If a new Area is selected, program a name.
- 3.2 IF Sirens are required:
 -Select the required “Internal Siren Mode” and/or “External Siren Mode” option/s.
 -Assign a Siren List to the Area.
 -Program the Siren Time. (1 to 255 minutes)
- 3.3 Select the required “Open/Close Reporting” options and “Area Client Code” if required.
- 3.4 Program the Area Auxiliaries to activate as required.
- 3.5 Assign the Input/s to the Area using the Process Group programmed for this function.

4. LCD Terminals [MENU 7, 2, 1]

When a Latched Alarm is generated all Terminals with the “L” option (Level messages) set to Yes, will show a message “Input Alarms are Latched”. This prompts the Users to view the alarms by using the UP/DOWN arrow keys and/or enter their PIN code to acknowledge each of the Latched Alarms that will be displayed in turn as the OK key is pressed.

- 4.1 Program the “Alarm Message Type” options. [1 2 3 4 5 6 7 8]
 Generally, it is not necessary for LCD Terminals to receive individual messages for Latched Alarms. Setting the Alarm Message Types to No for Message Types generated by Latched Alarms will not affect the operation described above that already allows each individual Latched Alarm to be viewed when acknowledging.
- IF individual messages for Latched Alarms are required to be sent to LCD Terminals, ensure that the same Alarm Message Type (or Types) assigned in the Process Group/s are set to Yes for all LCD Terminals where the individual Latched Alarm messages are to be displayed.
- 4.2 Program the “Default Display message” options. [S M D L I A . O]
 Ensure that the “L” (Level messages) option is set to Yes for all LCD Terminals where the “Input Alarms are Latched” Level message is to be displayed.

5. Check/Program Menu Groups. [MENU 2, 4, 1]

Before any User Types can Acknowledge a Latched Alarm, the function must be enabled in their Menu Group.

- 5.1 Check the “Menu Group Other Options” programming in the relevant Menu Groups. [R H]
 Ensure that the “R” option (Reset Latched Alarms) is set to Yes.