Last Trigger Driver.

This driver was designed to record any event that can be triggered in RTI. Ten triggers can be recorded, and the time of the triggered event is stored in persistent memory of the XP processor along with a list of the last 50 events.

There are global variables that give you the name of the last triggered event, the time of the last triggered event and the time since the event occurred. There is also a list variable that will hold the last 50 events.

Each trigger has a trigger 'name', 'Last triggered time', 'Time since last trigger', a Boolean to show if it was the last triggered and a flasher Boolean for visual indication of last triggered.

This driver was written for a property that had perimeter intruder sensors. The sensors are simply connected to the sense inputs of the XP processor. The client can see easily which area of the property was last triggered by using a plan drawing showing the boundary and a graphic flashing to show the last triggered beam.
The driver could be used for door sensors, CCTV triggers, alarm panel activation or just knowing when a room was last occupied or a projector turned on. The list allows you to go back through the last 50 events.

All events and the list are stored in persistent memory, so they are retained after a power loss or reboot.

Driver Properties:

Configuration:
Enter a descriptive name for each trigger. This name will be used in the global 'Last Triggered Name' 'Trigger History' list. It is also available as 'Name' for each trigger.

Date Format allows you to set the date format used. US mm/dd/yy or Rest of the World dd/mm/yy.

Driver Functions:

Trigger Event lets you trigger any of the ten triggers.
Clear History wipes all stored trigger data and the persistent memory.

Variables:

Global
Name Triggered – Name of the last triggered event (string)
Last Triggered Time – Time the last trigger occurred (String e.g., Tue 2/8/22 13:31:12)
Time since last trigger – Time since the last trigger occurred. This starts showing seconds but rounds up to the nearest minute, shows minutes up to two hours, hour or day (String e.g. 49m or 5h or 3d)
Trigger History – List of up to the last 50 events. (List)

Trigger Specific
Name – Name of the trigger that you set in the configuration. (String)
Last Triggered Time – Time the event last triggered. (String)
Time Since Last Trigger – Time since last trigger to the nearest day, hour, minute or second. (String)
Was the last trigger – A Boolean that is true if this trigger was the last to happen. (Boolean)
Was last trigger flasher – Boolean that flashes if the trigger was the last to trigger. (Boolean)

Events:
Each trigger also has an event associated to it.