**HA-6400
Côr™ Home Automation
Definition of Sensor Type and
Sensor Options**

côr™
HOME AUTOMATION
The heart of a smarter home.

Technical Supplement

Subject: Definition of the various Sensor Types and Sensor Options in the Sensor Settings Menu.

SENSOR TYPES

1   Day Sensor

A sensor that is active when the alarm system is either armed or disarmed but has different annunciations and reporting characteristics for each mode. Currently this sensor type responds exactly the same in the Côr panel.

2   24 Hour Audible

A sensor that is active 24 hours a day regardless of whether the system is armed or not. This would be used for sensors such as water sensors, freeze sensors, smoke alarms, CO detectors etc. that you want to be active all the time. When this sensor is tripped, the panel will generate an alarm and will sound the siren. This alarm must be acknowledged by entering in the customer PIN in order to silence. This alarm will sound the standard yelping siren.

3   Entry Exit Delay 1 Entry 1

A sensor that will give an entry delay to disarm the system or exit delay to leave the building after the system has been armed. The default for this sensor type is a 30 second exit delay and a 60 second entry delay. These settings can be changed by the installer or the customer under **Settings > Areas** and scroll to that section.

4   Entry Exit Delay 2 Entry 2

This sensor type is the same as Entry Exit Delay 1 but has a default setting of 60 second exit delay and 60 second entry delay. These settings can be changed by the installer or the customer under **Settings > Areas** and scroll to that section.

5   Follower

This sensor type will defer to an entry sensor that opened before it. This would typically be used for motion sensors. If no entry sensor opened before this sensor is tripped, it will trigger instantly.

For example, if a door sensor with a 60 second entry delay is opened and as you are walking to the panel to disarm the system, you cross the motion sensor, this motion sensor will defer to the door sensor that opened before it. The door sensor had a 60 second entry delay therefore this sensor will also follow that 60 second entry delay.

6   Instant

A sensor that when tripped will sound an alarm instantly with no delay.

7   24 Hour Silent

This sensor type is the same as 24 hour Audible above but will not sound the siren when tripped. The system will still trigger an alarm, will still push out notifications and will need to be acknowledged by entering in the customer 4 digit pin. It simply will not sound the siren.

8   Fire Alarm

This sensor type is used for smoke detectors. When the smoke detector signals and alarm, the siren will sound and the alarm will need to be acknowledged by entering the customer 4 digit pin. The alarm is a steady three tone alarm instead of the standard yelping alarm.

In a professionally monitored system, the monitoring company will be notified when triggered as well.

9   Entry Exit Delay 1 Auto Bypass

This sensor type is the same as Entry Exit Delay 1 with the exception that if the sensor is open at the end of the exit delay, it will be by-passed and will not trigger an alarm. If the sensor is closed when the system is armed, then the sensor will be active with the entry exit delay 1 timers. "Force Arming with Bypass" would need to be enabled in Areas options before this option will be enforced.

10   Entry Exit Delay 2 Auto Bypass

This sensor type is the same as Entry Exit Delay 2 with the exception that if the sensor is open at the end of the exit delay, it will be by-passed and will not trigger an alarm. If the sensor is closed when the system is armed, then the sensor will be active with the entry exit delay 2 timers. "Force Arming with Bypass" would need to be enabled in Areas options before this option will be enforced.

11   Instant Auto-Bypass

This sensor type is the same as instant above with the exception that if the sensor is open when the system is armed, it will be bypassed and will not trigger an alarm. "Force Arming with Bypass" would need to be enabled in Areas options before this option will be enforced.

12   Event Only

This sensor type allows a sensor to be used to log an event only. It will never trigger an alarm or sound a siren. This can be helpful in setting up a sensor to trigger an automation only. It will not make the panel go to a "Not Ready" state when open.

13   Momentary Key Switch Silent

This sensor type is used with a key switch where the contacts return to the open position when the key is released. This switch will trigger an alarm but will not sound the siren. The panel will give a single yelp when triggered.

14   Latching Key Switch

This sensor type is used with a latching key switch where the contacts will latch closed when the key is turned. This switch will trigger an alarm but will not sound the siren. The panel will give a single yelp when triggered

15   CO Detector

This sensor type is used for Carbon Monoxide detectors. When the CO detector signals a CO condition alarm, the siren will sound and the alarm will need to be acknowledged by entering the customer 4 digit pin. The alarm is a steady four tone alarm instead of the standard yelping alarm.

SENSOR OPTIONS

Sensor options further configure the sensors that are being set up in the system. Some options alter the behavior of a sensor while others simply change the way a sensor trip alerts the monitoring company if used.

1   Bypass

This option gives the end user permission to bypass this sensor when the system is armed. Sensors can be bypassed through the customer app.

2   Bypass Stay

This option will cause the sensor to be bypassed anytime the system is armed in the stay mode. If armed in the away mode, sensor will be active. This would be used for motion sensors so that when the system is armed in the stay mode, the motion sensors will be automatically bypassed.

3   Bypass - Force Arm

This option will cause the sensor to be bypassed if the system is force armed. Force arm allows the customer to arm the system if a sensor is not ready. Those sensors would be automatically bypassed.

4   Bypass - Cross Zone

This option is used with a Cross Zone setup. A sensor of this type will be used in conjunction with another sensor. If this sensor is tripped, it will not automatically trigger an alarm. Instead if a second sensor is tripped after this sensor, then the alarm is triggered. This sensor is bypassed but will still be used as an initial trip for the cross zone.

5   Fire

This option is used with smoke detectors. It will send information indicating smoke detector was triggered and will report when alarm was silenced.

6   Panic

This option will cause the sensor to not show up in the sensor list. If open, the app will show this sensor and indicate that it is open and that the system is "force armable". The ready light will be flashing to indicate that the system is force "armable". Once the sensor is closed, the sensor will disappear form the sensor list. If the system is armed and the sensor opens, a panic alarm will trigger, the siren will sound, and the app will indicate a panic alarm. The customers 4 digit pin needs to be entered to silence this alarm.

7   Silent Panic

This option responds the same as the Panic above with the exception that the siren will not sound at the panel.

8   Normally Open no EOL

This option is used for a wired sensor that has a normally open contact that will close to trigger an alarm and also has no End of Line signal. An End of line resisters are put in wired circuit to verify that the wire is not cut. The panel would be looking for the specific resistance anytime the circuit is closed. If the line is cut or shorted, this would indicate there is a problem.

9   Normally Closed no EOL

This option is used for a wired sensor that has a normally closed contact that will open to trigger an alarm and also has no End of Line signal. An End of line resisters are put in wired circuit to verify that the wire is not cut. The panel would be looking for the specific resistance anytime the circuit is closed. If the line is cut or shorted, this would indicate there is a problem.

10   Gas Detected

This option is used with gas (CO) leak detectors and will report a gas detected alert to the monitoring company.

11   High Temp

This option is used with temperature sensors and will report a high temperature alert to the monitoring company.

12   Water Leakage

This option is used with water sensors and will report a water leakage alert to the monitoring company.

13   Low Temp

This option is used with temperature sensors and will report a low temperature alert to the monitoring company.

14   High Temp

This option is the same as option 11 but reports a different high temperature alert code to the monitoring company.

15   Fire Alarm Pull Station

This option would be used with Pull Station and will report a fire alarm initiated from the pull station to the monitoring company.