Côr ™ Home Automation
Monitoring Freezer Temperature

HOME AUTOMATION
The heart of a smarter home.

Technical Supplement

Subject

This supplement will provide instructions on setting up a sensor to monitor freezers or coolers to trigger an alarm if the temperature increases above a defined setting. This could be applied to homeowners who have a meat freezer or wine storage that they want to monitor; or even in a light commercial application where the restaurant/fast food chain/grocery store wants to monitor their food/wine temperature status.

Components Needed

(1) Water Sensor (part number 60−744−95R)
(1) Temperature Sensing Control device
Small flathead screw driver

Description

For this setup, we will be using the 60−744−95R Water Sensor, which consists of a separate Detector unit that is wired to a main Transmitter unit. The Water Sensor consists of two contacts in the Detector unit that when shorted complete the circuit back to the main Transmitter indicating the presence of water or a flood condition.

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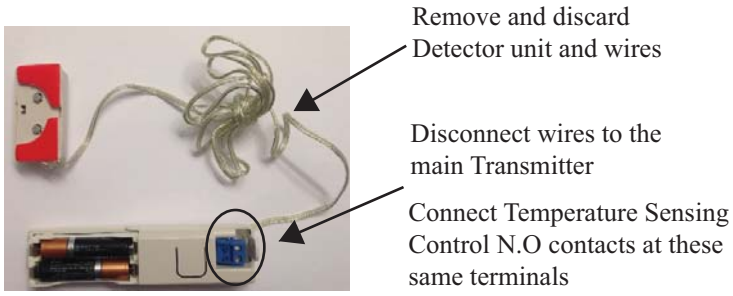
Since we are only looking to complete the circuit to determine an alarm condition, we can replace the Detector unit with a Temperature Sensing Control device that has a Close State on rise, Normally Open (N.O.) contact. The Temperature Sensing Control device can be any device with control duty contacts such as a Johnson A19 or equivalent.

By using the Temperature Sensing Control device, the temperature sensing bulb can be located in the subzero conditions while leaving the main Transmitter in an acceptable temperature location e.g. outside the freezer. This will allow the temperature to be sensed remotely in the freezer or cooler. The alarm temperature can be set to any desired alarm temperature at which point the contacts would close causing the main Transmitter unit (60−744−95R) to send an alarm signal.

Installation

Step 1 — Remove the cover from the main Transmitter and locate the screw terminals connecting the Detector unit to the main Transmitter.

Step 2 — Remove the Detector unit and connect the Temperature Sensing Control to the same screw terminals.



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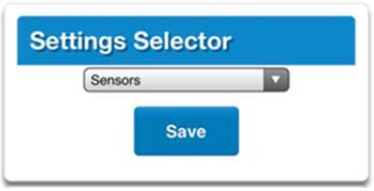
Step 3 — Login the Côr Home Automation system as the installer and program the main Transmitter as a sensor by going to **Menu > Settings Selector > Sensors**.



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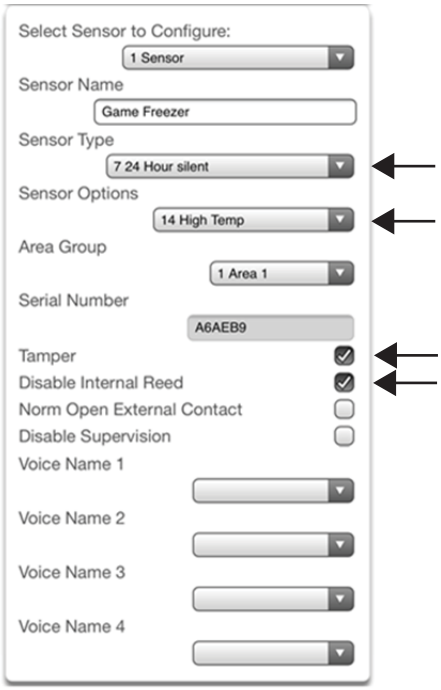

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- Create a Sensor Name that easily identifies the freezer in the event there are multiple sensors on the same system
- Select Sensor Type as either **24 Hr Audible** or **24 Hour Silent**

NOTE: "24 Hr Audible" will sound the siren at the panel every time an alarm condition takes place and likely not an ideal in a commercial application. "24 Hour Silent" will still generate an alarm and send notifications but will not sound the siren at the panel.

- Select the Sensor Options to **High Temp**.
- Check the box for Tamper.
- Check the box for Disable Internal Read.
- Set the sensor Voice Name as desired.

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