

Monitor telephone batteries or cell phone system power with this low-cost sensor.

- Measure voltage of -48VDC telecom systems
- Connects to a Goose via Analog Input or CCAT
- Get graphs, see trends in the system
- Receive alerts for overvoltage or undervoltage

This sensor enables the Goose to monitor the negative DC voltage used in telecom systems. Using logs and graphs provided by the Goose you can remotely check on the status of the system. Find out if the batteries are being overcharged or not charged enough.

The -48VDC sensor provides two sets of connection wires. Connect the wires with ring terminals to the negative 48VDC system. These carry the input voltage (-16 to -60VDC) to the sensor, where circuitry translates this input into an output voltage (0 to 5VDC). Run the other set of wires to the Goose climate monitor and attach them to either an Analog Input or CCAT analog-to-digital interface.

CONNECTING TO THE GOOSE

Most Goose climate monitors have input terminals for connecting analog sensors like the -48VDC sensor. These Analog Inputs accept a 0 to 5VDC signal which is reported on the Goose as a 0 to 99 value. The Goose logs these values along with other internal sensor readings. You can identify an Analog Input by its user-defined "friendly" name.

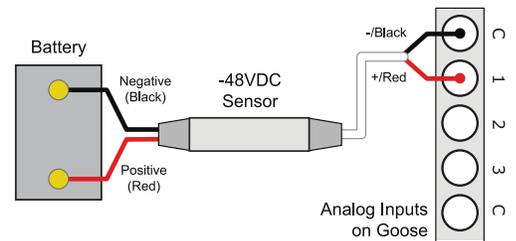
A CCAT analog-to-digital interface converts an analog sensor to digital. This lets you connect a -48VDC sensor to a digital sensor port when no Analog Inputs are available. The -48VDC sensor connects to the screw terminals of the CCAT and then the CCAT connects to the Goose.

ALARMS

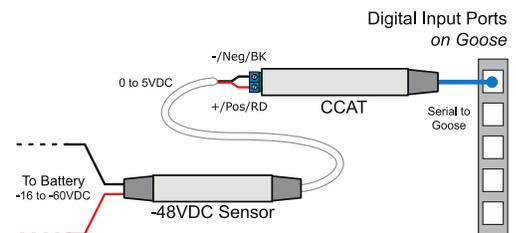
By setting appropriate trip points on the Goose's alarm page, you can receive an automatic alert (via email or SNMP) to a potentially dead, discharged, or overcharged battery bank based on the battery voltage.



A plastic tube houses electronics that convert a negative voltage to positive. Protection circuitry prevents possible damage caused by a short circuit or reversed polarity.



The pair of wires with ring terminals connect to a battery, while the other two signal wires attach to the Goose.



The CCAT interface acts as a bridge between the -48VDC sensor and the digital sensor port.

Sensor Details

Specifications

Input voltage: -16 to -60VDC
Output voltage: 0 to 5VDC, proportional to input
Accuracy: +/- 5%
Cable to monitor: 36", 22 AWG solid
Cable to battery: 36", 22 AWG solid
Warranty: 1 year (extended warranties available)

Compatibility

Works with all climate/power monitors with analog ports
Compatible with CCAT Analog-to-Digital Interface

Model Number: 48VCD-1

