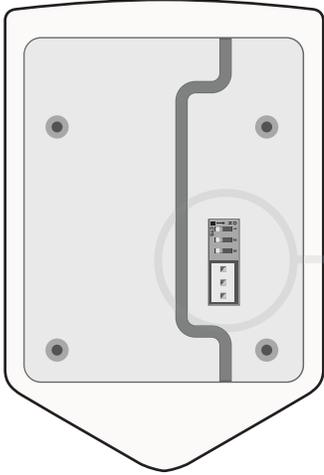
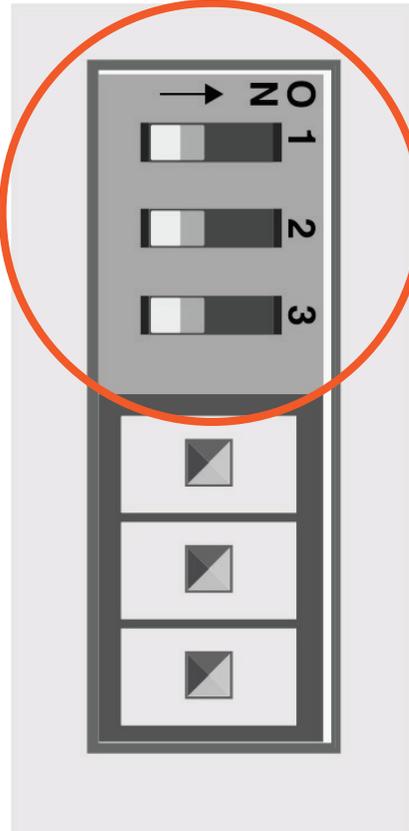


**Rooster™ Alarm Rear View**



**Dipswitch Close Up**



**You are just a few steps away from using your Rooster™ Alarm or Rooster™ Alarm NSB:**

\*Use this guide after you've completed the mechanical install of your Rooster™ Airflow Alarm Product.

**Step 1: Dipswitch Settings:**

Configure your Dipswitch Settings on the rear of the Rooster™ Alarm to create the behavior suitable for your application. There are 3 dipswitches on the rear of your unit, which are all set to OFF from the factory.

Dipswitch	Description	On Position Behavior	Off Position Behavior
1	Calibration Method Selection	Method B: Calibrate at trip point velocity	Method A: Calibrate at known safe flow. (most common)
2	Alarm Latching Selection	In an ALARM condition, the ALARM will automatically clear when safe flow returns. This is called an UNLATCHED or self-clearing ALARM. (most common)	In an ALARM condition, the ALARM will not self-clear when safe flow returns. Instead, the audible ALARM will silence, and the RED LED will blink until the user resets it manually by pressing the MUTE button for 3 seconds. This is called a LATCHED ALARM, which is useful to convey that an ALARM event occurred while the user was away.
3	Alarm Ring Back (Snooze) Function	When an ALARM sounds, and the MUTE button is pressed, the ALARM will ring again after 120 seconds to remind the user of the unsafe condition. (most common)	When an ALARM sounds, and the MUTE button is pressed, the ALARM is permanently silenced.

**Step 2: Power Up:**

The Rooster™ Alarm and Rooster™ Alarm NSB are powered using the included AC/DC wall plug. Plug it in.

*Note: Alternatively, the Rooster™ Alarm can also be powered by wiring 24VAC or 24VDC to Pins 1 and 2 on the optional 5-pin Phoenix connector on the rear of the unit. (See manual for details)*

The Rooster™ will sound an audible chirp and the DegreeC logo will illuminate. You will see one of two behaviors:

*If the Rooster™ has never been calibrated, the LED will blink in a slow, 3 second sequence.*

*If the Rooster™ has been previously calibrated, it will use those stored settings and begin to blink green while it checks for safe airflow. If airflow is unsafe, the unit will alarm within 5 seconds.*

**Step 3: Calibrate your Rooster according to your dipswitch selection, above:**

**Method A: Calibration at known safe flow:**

Assert known safe flow, and initiate the calibration process by pressing the calibration button for 3 seconds. The Rooster™ will learn this safe flow velocity and the Alarm trip point is calculated as a 20% loss of flow from this calibrated value.

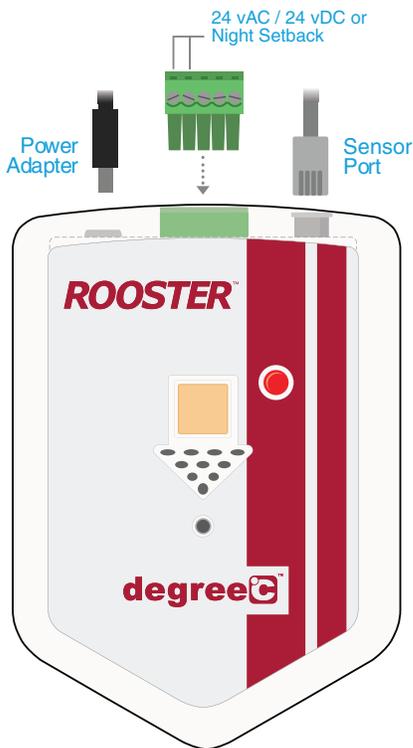
**Method B: Calibration at the alarm trip point:**

Run the cabinet at the desired alarm trip point velocity, and initiate the calibration process by pressing the calibration button for 3 seconds. The Rooster™ will learn this trip point velocity once the cabinet is running normally, and will alarm when airflow falls to this calibrated alarm trip point. After successful calibration be sure to return cabinet to known safe flow.

*Note: The calibration process lasts 24 seconds, during which time the RED LED will blink. When successful, the Rooster will chirp, and the LED will begin to blink GREEN to denote healthy operation.*

*If there is too much turbulence during calibration, the MUTE button's LED will blink until a successful calibration is achieved. See manual for trouble shooting.*

## Rooster™ Alarm



## Step 4: (Optional): Wiring relay Alarms and Night Setback

Rooster™ Alarm: Connection to the 5-pin Phoenix connector is available for alternative power entry, and Alarm Relay Connection.

Rooster™ Alarm NSB: Connection to the 5-pin Phoenix connector is available for Remote Night Setback Signal, and Alarm Relay Connections. When night setback signal is asserted, the MUTE button LED will flash, and the airflow ALARM is inactive.

Product	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
Rooster Alarm	24 vAC/24 vDC	24v RTN	Alarm Relay Normally Open	Alarm Relay Common	Alarm Relay Normally Closed
Rooster Alarm NSB	Night Setback	Night Setback RTN	Alarm Relay Normally Open	Alarm Relay Common	Alarm Relay Normally Closed

Phoenix Connector, J5: Pinout (Mating Connector Phoenix PN 1840395, not supplied)



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