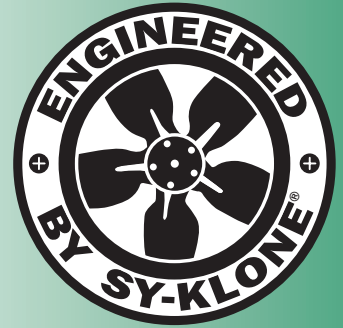


## How Do You Know If Your Cab Is Pressurized? Without a Real Time Pressure Monitor, You DON'T.

It is important to maintain positive pressure inside an operator's cab. Cab pressurization helps prevent dust and harmful particulate from entering a sealed cab. The Sy-Klone Cab Pressure Monitor System is easy to operate and provides a continuous pressure reading on a digital display, which will alert the operator whenever the enclosed cab's air pressure drops below the pre-set pressure. This Pressure Monitor System is recommended for use with Sy-Klone's family of RESPA<sup>®</sup> Cab Air Quality Systems.



## Simple to Install, Easy to Use

The unit operates when the power is switched on.

**LED Alarm:** The lighted indicator illuminates whenever the cab pressure drops below the preset minimum threshold for more than 10 seconds. This feature cannot be disabled. The 10 second delay allows for normal door opening and closing without setting off the alarm.

**Numeric Display:** This indicates the realtime pressure in the cab.

**Low Pressure Signal Alarm:** This feature is internal in all units. It can be activated or deactivated during set up. If this feature is activated, the alarm will sound when the cab pressure drops below the set pressure level for 10 seconds. It self-resets when the cab pressure returns to normal or when an off/on power cycle is completed.

**Silence Alarm Button:** Sometimes it is necessary to open a window or door for more than 10 seconds. This will set off the alarm. The alarm signal can be silenced by pushing the silence button. (Note: the light will remain on until pressure is restored.) The alarm mode is self-resetting when the cab pressure normalizes or with an off/on power cycle. The alarm is again armed and will sound after a 10 second pressure drop.



**Low Voltage Pressure Signal Port:** The unit includes a 0 to 5 volt output signal that can stream realtime pressure information to an on-board computer. The 1/8" mono plug signal port puts out a low power voltage signal that varies with the pressure reading (see technical specifications for details).

**Electrical Wiring:** Connects to any convenient DC voltage connection between 9VDC and 36 VDC, so this unit can be installed on a 12V or 24V system.

**Quick Connect Fitting:** The included air line attaches here.

## Our High Standards Meet THEIR Standards Too!

Sy-Klone's Electronic Pressure Monitor System meets or exceeds compliance for pressure monitoring device for:

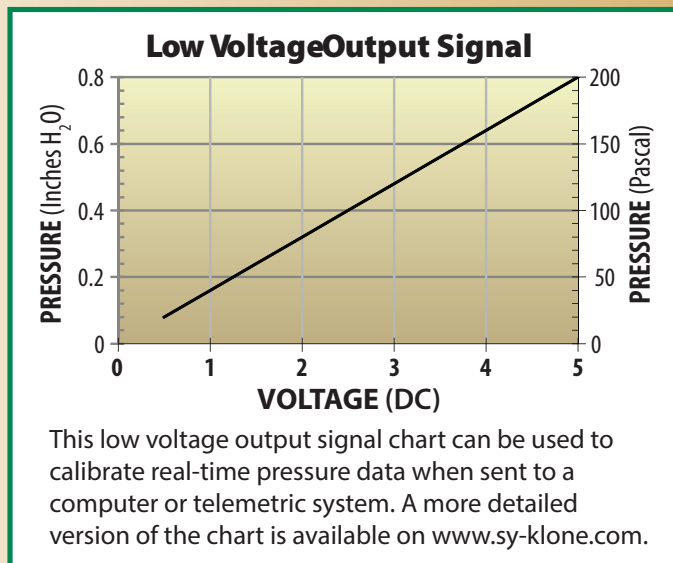
- CE Compliant (EU)
- Canadian OSHA
- EN15695 (EU Ag Sprayer Cab Category 3-4 Cabs)
- MSHA (USA) underground mining applications
- AIOH (Australian Institute of Occupational Hygienist)
- Health Safety Executive (UK-AG7,CN8, CN11) Recommended Device

**"Installing Sy-Klone's RESPA<sup>®</sup> System and Pressure Monitor was less than the cost of one MSHA fine, and now we are back in compliance!"**

Read the full story including MSHA test data on our website in the RESPA News & Case Studies section at [www.sy-klone.com](http://www.sy-klone.com)

## Specifications

- Operating Pressure Range: 0 to 0.8 Inches H<sub>2</sub>O (0 to 200 Pa)
- Display Resolution: 0.01 Inches H<sub>2</sub>O (1 Pa)
- DC Input Voltage (self-resetting fuse): Minimum: 9V, Maximum: 36V
- Current Consumption: Less than 30 mA
- Operating Temperature Range: -40 F to 140 F (-40 C to 60 C)
- Low Voltage Pressure Output Signal: 0V @ 0 Inches H<sub>2</sub>O (0 Pa)  
5V @ 0.8 Inches H<sub>2</sub>O (200 Pa)  
20 mA
- Enclosure Dimensions: 3.50 x 2.52 x 1.39 inches (88.9 x 64 x 35.2 mm)
- Mounting Plate Dimensions: 4.52 x 2.52 x 0.11 inches (114.8 x 64 x 2.8 mm)
- Weight: 0.2 oz. (175 g)
- Air Tube: 3/16 inches OD; 6 foot length (1.8 m)



## About the Settings:

**There are several parameter that can be set by the installer, including:**

- Display pressure readings in Pascal or Inches of H<sub>2</sub>O.
- Warning signal tone On or Off.
- Warning signal volume.
- Low Pressure alert threshold.

**The default settings are:**

- Sound: On.
- Volume: Full volume.
- Digital display units: Inches of H<sub>2</sub>O.
- Alarm threshold: 0.08 inches H<sub>2</sub>O (20 Pascal).

The light and signal will activate when the pressure drops below alarm threshold for more than 10 seconds.



**Installs almost anywhere!**

**Sy-Klone Solutions Provider:**

**ISO 9001**