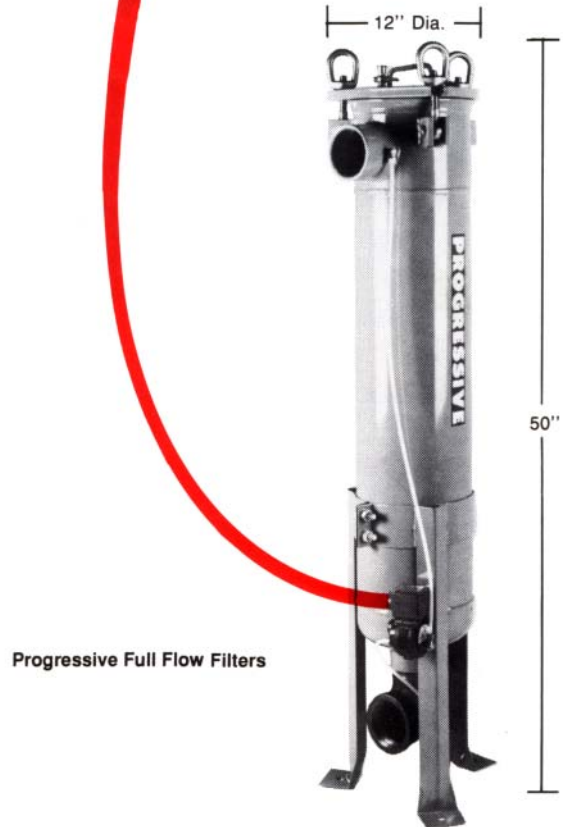
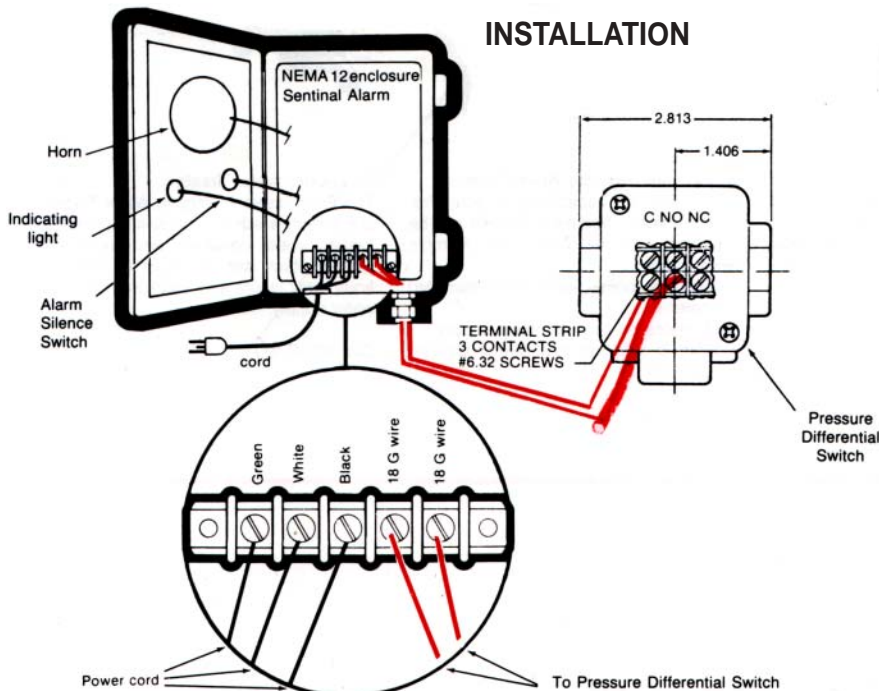


Sentinal Remote Alarm System

The monitoring capabilities of your PROGRESSIVE PROCESS WATER AND WASTEWATER TREATMENT SYSTEMS can be extended with the SENTINAL REMOTE ALARM.

- Works in conjunction with any and all filtering equipment
- Operates on its own power supply
- Horn is synchronized with a blinking light
- Can be located up to 500 feet from the filter device
- On/Silent switch shuts off horn
- Monitors pressure difference down to 5 P.S.I.



Progressive Sentinal Alarm System

Equipment Purpose

To monitor the flow of water and to warn of a pressure drop in the system which could cause process equipment to fail due to lack of adequate flow.

To give a visual and audible warning signal sufficient to direct the attention of maintenance personnel to the potential problem.

To monitor the flow of water through the various types of filters and to sound an alarm when a pressure difference occurs, due to clogging, from a minimum 3 PSI to a maximum of 40 PSI. The system may be remotely monitored up to 500 feet.

Installation Instruction

Locate and mount Sentinal Horn Alarm with access to 115 VAC (with 220 VAC available), single phase, 50/60 HZ. Horn alarm not to exceed 500 feet distance from filtering device.

After mounting, open cover of Sentinal. Use recommended 2 pair wire or if enclosed in conduit, use the 1/2" conduit fitting.

After connections are made at the Sentinal, run wire to Differential Pressure Switch Terminal Strip. (CAUTION: UNPLUG POWER). Connect one wire to (C) - "common" terminal and connect the second wire to (NO) - "normally open" terminal.

Plug the Sentinal unit into 115 VAC outlet (or 220 VAC) and flip switch to "on" position.

Equipment Components

There are three (3) components of the system which are matched to each other:

1. A filter with 1/8" NPT holes properly placed to measure the pressure differential.
2. A Pressure Differential Switch with adjusting screw to set the differential range and a hard enclosed terminal strip for field wiring. The switch is factory pre-wired to the terminal strip. This filtering device is pre-set to the (5) pounds differential pressure.
3. The remote sensing alarm box contains a horn, light, horn silence switch and the 115 VAC Power Supply.

Differential Pressure Switches

General Description

The Differential Pressure Switch offers excellent performance and repeatability. The precision snap-acting switch and sensitive opposing diaphragms combine to provide a narrow deadband and repeatability of approximately +1% of span. The enclosure is small, yet can accommodate a 1/2 NPT conduit connection and terminal block wiring. Plastic materials in the body and port make the switch lightweight, but also durable, and can help provide corrosion resistance to harsh media and environments. The multi-turn adjustment screw provides good setting resolution and is externally accessible for convenience.

