



# GENESIS INTERNATIONAL, INC.

## SHERLOCK VENTLINE SENSOR



### VENTLINE SENSOR

Model 88-0149 for CFC/HCFC gases  
Model 88-0150 for HFC gases  
Model 88-0151 for Ammonia

Typical applications include:

- Monitoring of refrigeration system relief lines

### MISCELLANEOUS

- Can be read by the **Sherlock** 2-Series, 4-Series monitor and *Wizard* Evaporator Control System.
- Calibration is needed only once a year.
- Designed to detect high concentrations of refrigerant gases in vent lines
- Reading Range: 20 to 1000 ppm
- Sensitivity:  $\pm 10\%$
- Temperature range: 45°F to 120°F
- Relative humidity range: 0 to 95% (non-condensing)

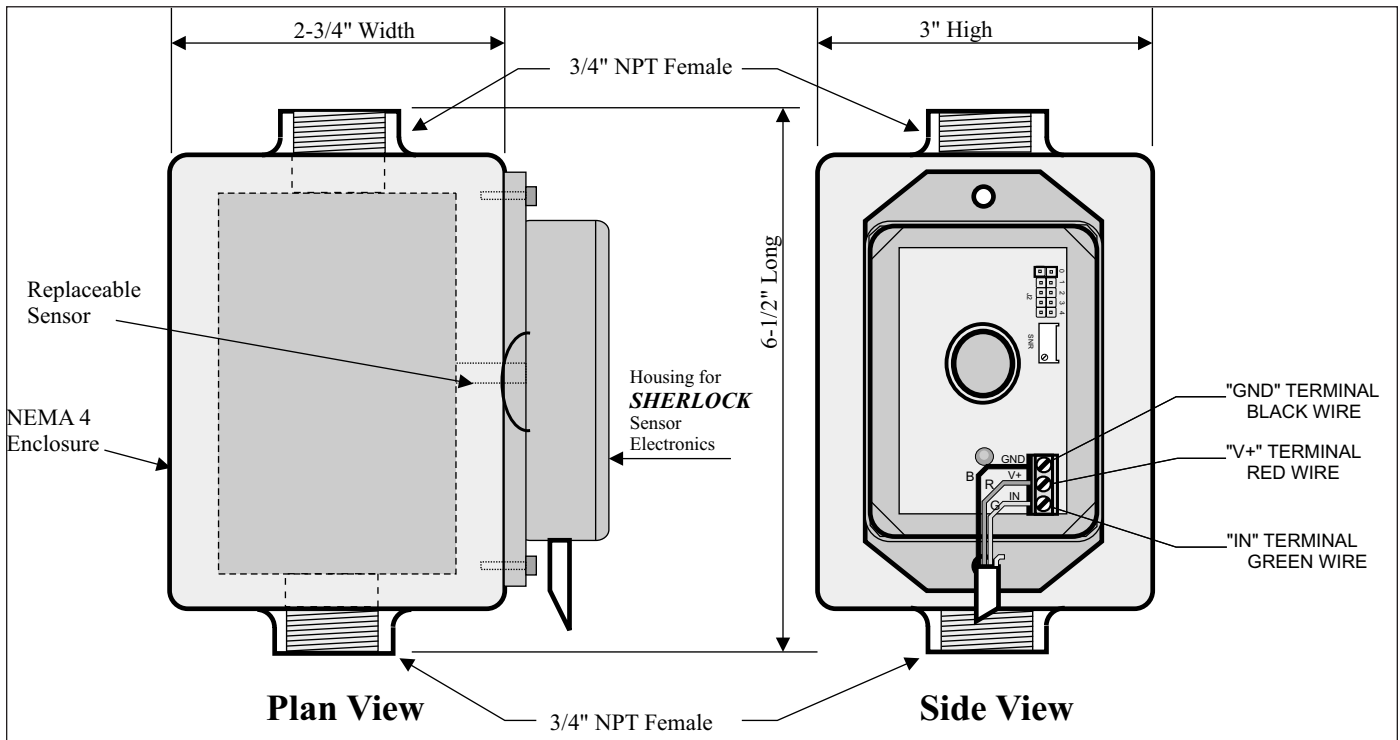
### OVERVIEW

The SHERLOCK VENTLINE REFRIGERANT GAS SENSOR (VENTLINE) was designed to detect the presence of high concentrations of refrigerant gas in the vent lines of refrigeration systems. The sensor warns the user to investigate for possible leaks in relief valve or to check the systems for overpressure. The sensor is designed to be installed in refrigeration vent lines and is supplied in a NEMA 3R rated housing with 3/4" NPT female connections.

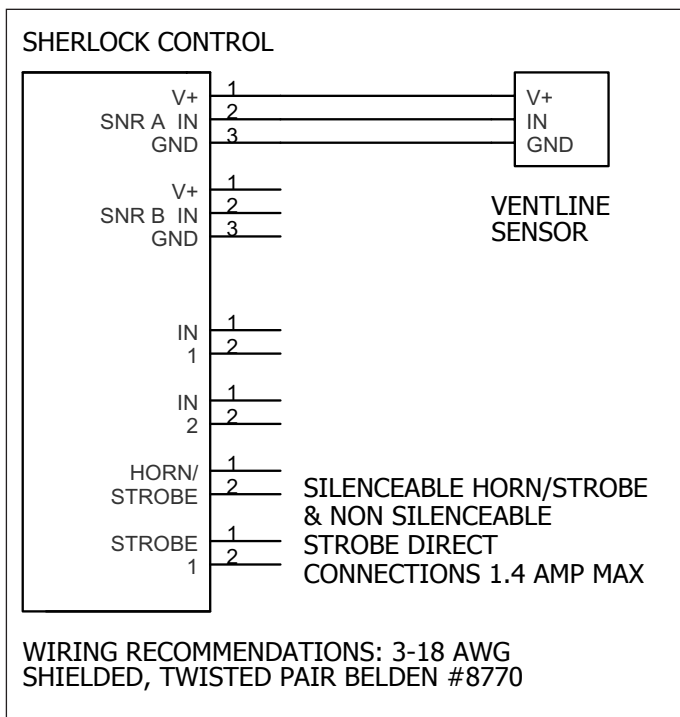
There are three models of the Ventline Sensor, one for CFC/HCFC gases, one for HFC gases, and one for Ammonia. The Ventline Sensor should be utilized as a signal source for the SHERLOCK 2-SERIES or SHERLOCK 4-SERIES REFRIGERANT GAS MONITORING SYSTEMS or the WIZARD EVAPORATOR CONTROL SYSTEM.

<b>ENCLOSURE</b>	NEMA 3R
<b>DIMENSIONS</b>	4.3 x 3.5 x 4.0
Inches (mm)	109 x 89 x 102
<b>ENVIRONMENT</b>	-25 to 120 °F (-30 to 50 °C), 0 to 95% RH non condensing
<b>POWER INPUT</b>	12V DC, 250mA
<b>OUTPUT</b>	0.5 - 5 VDC
(Genesis Control Only)	
<b>DETECTION RANGE</b>	20 to 1000 ppm (gas dependent)
<b>SENSITIVITY</b>	10 % of full scale reading.
<b>CALIBRATION</b>	Every 6 Months
<b>WARM-UP TIME</b>	Readings will stabilize After 3 hours.

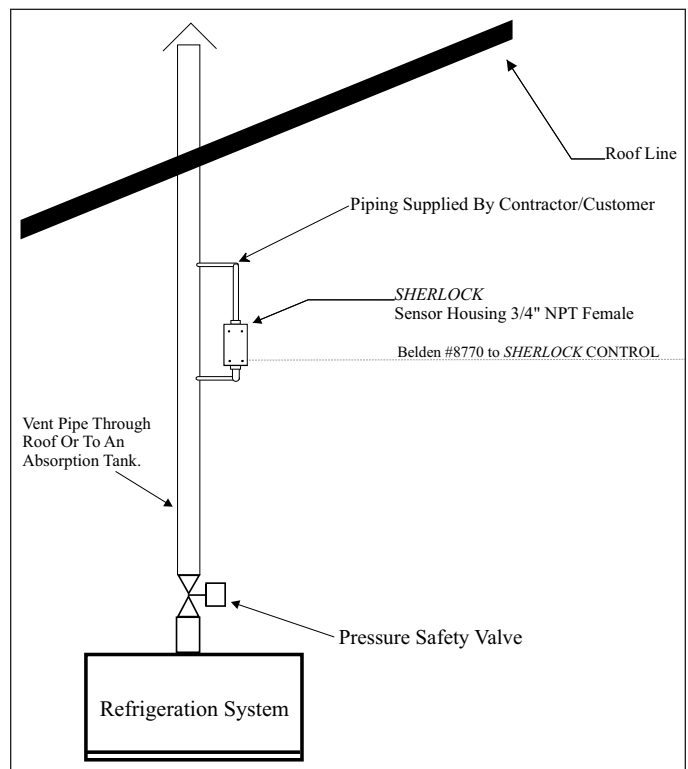
## VENTLINE SENSOR DIMENSIONS



### TYPICAL WIRING DIAGRAM



### MOUNTING SUGGESTIONS



# GENESIS INTERNATIONAL, INC.

1040 FOX CHASE INDUSTRIAL DRIVE  
ARNOLD, MISSOURI 63010

PHONE: (636) 282-0011  
FAX: (636) 282-2722

WEBSITE:  
[WWW.GENESIS-INTERNATIONAL.COM](http://WWW.GENESIS-INTERNATIONAL.COM)

EMAIL:  
[MAIL@GENESIS-INTERNATIONAL.COM](mailto:MAIL@GENESIS-INTERNATIONAL.COM)