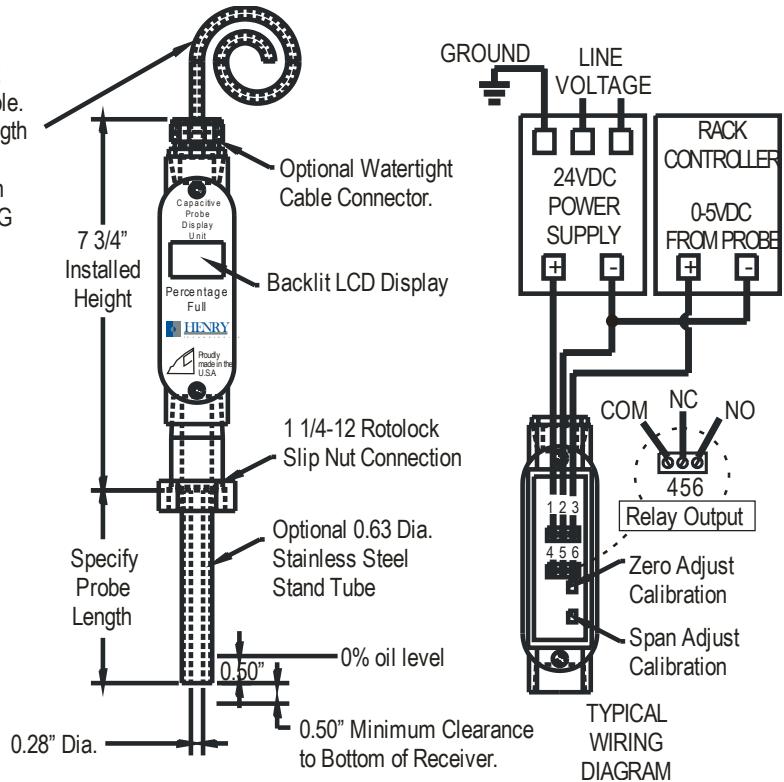




Optional Watertight 3-wire 20 AWG cable. Specify desired length in feet.
Note: Relay version uses 6-wire 20 AWG cable.



OPERATION:

The LLP level probe measures receiver refrigerant level by sensing a change in capacitance between the LLP probe rod and the receiver tank wall. As the liquid refrigerant changes in level it changes in output voltage between 0 and 5 volts. In other words, 2.5 volts can be scaled to indicate a 50% liquid level. 0% level is typically set as one inch from the tank bottom. 100 % level is typically set as the receiver 90% fill level.

FEATURES:

- 800 psi Working Pressure
- 10-24VDC Supply Voltage
- Optional Relay for 20% low level alarm
- Relay Ratings: 125V @ 12A Resistive
250V @ 7A Resistive
- Output: 0V-5VDC
1V-6VDC
4-20mA
- Ambient Temperature: -40 to 158°F
- Refrigerant Temperature: Suitable for all available refrigerants.
- Refrigerants: R22, R134a, R404a, R507, R410a, and other compatible refrigerants.
- Continuous accurate measurement of receiver liquid level.
- Optional relay can provide a level indication to a remote alarm system to show insufficient refrigerant quantity.
- Unless otherwise indicated, probes are calibrated for R404a / R22. This standard calibration also works with R134a, R507 and R410a within 5% of receiver level.

RECALIBRATION:

The Henry Technologies LLP Series probes are factory calibrated for a 16" diameter vertical receiver and diameters or refrigerants. To obtain maximum accuracy, the probe can be re-calibrated after the system has been in operation and conditions have stabilized.

Re-Calibration Procedure:

1. Monitor the output voltage using a voltmeter installed in parallel with the signal and common leads of the control loop. (terminals 2 & 3 on the wiring diagram)
2. Lower the refrigerant level in the receiver to a level equal to 0%. Adjust the "Zero" calibration screw for a voltmeter reading of 0.0 volts DC.
3. Raise the refrigerant level in the receiver to a level equal to 50% level. Adjust the "Span" calibration screw for a voltmeter reading of 2.5 volts DC.

The re-calibration is complete.

For applications which require a 1-6V or 4-20mA output, consult the factory.