Maintenance Support

Alarms - All Models

High-Pressure (HP) Alarm—Bypass to Latch

- A high-pressure alarm will occur when the HP switch opens.
- Red HP LED is flashing when a HP alarm occurs.
- Alarm will bypass 3 times. System will soft reset each time after HP alarm is set. It will latch on the 4th time which requires a hard reset for normal operation. Delays for compressor short cycle and coax protection will be enabled on each soft reset.

Low-Pressure (LP) By-Pass (Warning)

- If LP switch opens and compressor is running for less than 3 minutes, a LP by-pass warning will be activated. If LP switch closes or compressor is disabled before 3 minutes expires the bypass will be reset.
- Red LP LED will be solid when in LP bypass mode.

Low-Pressure (LP) Alarm Mode—Bypass to Latch

- A LP alarm will occur when the LP switch is open for 3 continuous minutes and the compressor is running.
- The Red LP LED will be flashing when a LP alarm occurs
- Alarm will bypass for 3 times. System will soft reset each time after LP alarm is set. It will latch on the 4th time which requires hard reset for normal operation. Delays for compressor short cycle and coax protection will be enabled on each soft reset.
- **Note:** If the LP switch is open on unit power up a LP alarm is triggered immediately.

When unit is found in low-pressure latched condition, cycle power and operate in cooling mode for one (1) cycle. If unit goes into low-pressure, then there may be a charge or fan issue. If unit goes into high-pressure, there is a water flow issue. Unit should not be operated until the water issue has been identified and resolved. Water flow troubleshooting should only be done in cooling mode. Do not operate in heating mode without proper water flow, as serious damage can occur.

Condensate Overflow (Drain pan) Alarm (Latching Alarm)

- A condensate overflow alarm will occur after 30 seconds if the water sensor input triggers an overflow condition. This is to avoid false tripping.

Water Loop Supply Temperature (EWT) Alarm (Non-Latching Alarm) - UVHPL/UVHPL-G heating and cooling and UVHHL cooling only

- A water loop supply temperature of greater than 110°F/43° C will trigger an EWT alarm.
- A water loop supply temperature of less than 100°F/38°C will reset the EWT alarm.
- The water loop supply temperature is only sensed when the water supply valve is open.
- The EWT LED will be illuminated solid on a EWT alarm.
- If the EWT sensor is open or shorted a EWT alarm is triggered and the Red EWT LED will be blinking.

Water Loop Discharge Temperature (LWT) Alarm (Non-Latching Alarm)

- A water loop discharge temperature of greater than 122°F/50°C will trigger an LWT alarm.
- A water loop discharge temperature of less than 115°F/46°C will reset the LWT alarm.
- The water loop discharge temperature is only sensed when the water supply valve is open.
- The LWT LED will be illuminated solid on a LWT alarm.
- If the LWT sensor is open or shorted a LWT alarm is triggered and the Red LWT LED will be blinking.

Freeze Protection Alarm - UVHPL Only

- A water loop supply temperature (EWT) of less than selected freezing threshold will trigger an EWT alarm (see table below).
- A water loop supply temperature of greater than selected freezing threshold will reset the EWT alarm.
- The water loop supply temperature is only sensed when the water supply valve is open.
- The EWT and LWT LED will be illuminated flashing on a Freeze Protection Alarm.
- Select Freezing Threshold: (Glycol required below 35°F/2°C)

DIP SW 3	DIP SW 4	Temperature
OFF	OFF	35°F / 2°C
OFF	ON	30°F / -2°C
ON	OFF	25°F / -4°C
ON	ON	20°F / -7°C

Freeze-Stat Protection Alarm - UVHHL Only

- When the Freeze-Stat sensor detects a return air temperature below 41°F/5°C the Freeze-Stat alarm will be triggered.
- The EWT and LWT LED will be illuminated flashing in the event of a Freeze-Stat alarm.

Condenser Freeze Protection - UVHPL (G) Only

- When equipped with this feature, the unit will turn off in heating mode only if the refrigerant temperature going to the condenser falls below above based on DIP switch settings.
- The EWT and LWT LED will be illuminated flashing on a Freeze Protection Alarm, and this will stay active until the refrigerant temperature rises above 60°F.
- The alarm will bypass for 3 times. System will soft reset each time after alarm is set. It will latch on the 4th time which requires hard reset for normal operation. Delays for compressor short cycle and coax protection will be enabled on each soft reset.

7930 Huntington Road Unit A, Woodbridge, ON L4H 4M8
1-800-397-3680 info@uniluxhvac.com