



LC/LV AireGuard Remote Startup Assistance

AireGuard Assisted Start Up consists of a Desert Aire factory technician remotely assisting a job-site technician to complete the commissioning process of the dehumidifier. Using a field installed Ethernet connection, Desert Aire will be able to navigate the controller and verify critical set up details to ensure proper equipment operation. The field technician will work under the guidance of Desert Aire to make any mechanical adjustments identified by Desert Aire to complete the commissioning process.

Prior to scheduling start-up with Desert Aire, the site must be fully prepared for commissioning with the following items completed.

Job Site Preparation - Items completed by the installing contractor before Start-Up can be scheduled:

- Dehumidifier leak checked and inspected for internal concealed damage – remove access panels and inspect the interior of the unit for transit damage. Contact Desert Aire immediately if damage is noted **(262)946-7400**
- Dehumidifier leveled and properly supported per the installation manuals recommendations. **See section 2.1 of the LC/LV I&O manual for details**
- Outside air duct filters and damper installed (if applicable) – **See LC/LV I&O manual section 2.2 for details**
- Condensate P Trap installed with heat trace for winter operation. **See LC/LV I&O manual section 2.3 for details**
- Remote condenser plumbed per **Air Cooled I&O manual section 2.4**, check valve installed in the hot gas discharge line, leak checked, evacuated, and charged if necessary. LC and LV Units require additional field charging. **Refer to the charge label affixed to the unit for details.** Please verify and document the Refrigerant volume added to the Remote Condenser _____lbs.(if applicable)
- Gas heater lines plumbed and purged / Record gas pressure entering the unit - _____'wc (if applicable)
- Refrigeration line set is clamped and the header supported per the **Air Cooled &O manual sec 2.3**
- Pressure transducer and cord sent with the remote condenser installed on the liquid line header and wired to the Johnson 450 controller. **See section 2.7 of the Air Cooled I&O manual for wiring details.** (if applicable)
- All electrical connections terminated and verified for proper voltage at the Dehumidifier and the Remote Condenser (if applicable)
- Temperature / RH sensors – (wall mount applications only) installed per the **LC/LV I&O manual Section 2.7**,
- Optional Water Condenser circuit connected to dehumidifier with flow meter, balancing valves and temperature sensors installed in circuit.
- Remove shipping blocks from compressors and blowers.
- Ethernet Connection – Verify the RJ-45 Ethernet connection is installed and active.

Tool Requirements – These items are required to make adjustments to the system

- Volt/Amp/OHM meters. / Refrigerant Manifold Gauges
- Hand Tools – Refrigeration Service Wrenches, Allen Wrenches, Assorted Screwdrivers & Crescent Wrenches
- Air Balancing Equipment (Magnehelic or Manometer differential pressure gauge – one inch scale is preferred)
- 25 # cylinder of the appropriate refrigerant & scale.
- Hand pump for adding oil to compressors and 1 gallon of one of the following POE oils:
 - Copeland Ultra 32-3MAF
 - Lubrizol Emkarate RL32-3MAF
 - Park Emkarate RL32-3MAF
 - Nu Calgon 4314-66 (RL32-3MAF*(This is required on split systems based on line set calculations and oil recovery traps)*



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Unit Information

Model # _____

Serial # _____

Jobsite Information

Job site name _____

Job Site Address _____

Contractor Information

Installing Contractor: _____

Manager's Name : _____ Phone #: _____

Field Technicians Name : _____ Cell # _____

If you are unable to supply any of the required equipment you must contact Desert Aire before returning this document.

I agree that the items listed above have been completed as of _____ (Date) Once this form is completed please fax or email both pages to the Desert Aire Service Department.
Fax (262) 946-7400 Email: service@desert-aire.com

Desert Aire will schedule an appointment within 7 Business Days to commission the unit and will contact the Field Technician directly. The Field Technician will be expected to be onsite at the scheduled time to begin the commissioning process.

If rescheduling is required – Please contact Desert Aire immediately for availability

Signature Project Manager: _____ (print) _____ (sign)

Company Name: _____ Phone #: _____