



46000 SERIES BACKWALL OWNERS MANUAL

SYSTEM CONTROL

The 46101 high efficiency and the 46103 high capacity units operate identically and have the same two stage electric heat system (4,000 BTUH per stage).

Follow the instructions found with the wall thermostat to switch modes of operation or to change the desired setpoint. Note that time delays are normal in the thermostat operation.

The HI heat/LO heat switch will usually be in the HI heat setting. If the unit is ever operated on “shore” power protected by a 15 or 20 amp circuit protector, you must place the switch in the low heat position to prevent a nuisance breaker trip. If the shore hook-up is protected at 25 amps or higher, the thermostat switch may be set to the HI heat position, allowing for the full 8,000 BTUH if required. The thermostat will automatically shed second stage heat as the temperature approaches within a degree of setpoint. If the temperature begins to fall, the second stage will re-energize.

If during operation, the compressor de-energizes prior to reaching setpoint, either the indoor air flow has become restricted, or the setpoint is unusually low causing the system freeze protection switch to temporarily shut down the compressor to allow the evaporator to clear any accumulated frost. The compressor will automatically restart when the coil has been cleared of frost. Raising the thermostat setpoint or cleaning the air filter will usually prevent freeze switch operation. The air filter access grille is secured by a quarter turn fastener. The filter may be washed or shaken clean.

If during operation, the compressor de-energizes and does not re-start after 30 minutes, you may need to temporarily shut off the system by switching the thermostat to “OFF” or by switching off the high voltage power. This will re-set a refrigerant high pressure switch which prevents extended operation of the system at extremely high refrigerant pressures. This may be due to operation with a dirty condenser coil or malfunction of the fan motor. If the system continually locks out after re-set, contact the Airxcel, Inc. Technical Support Department at 316-832-4357 for assistance.

SYSTEM MAINTENANCE

The evaporator air filter should be inspected weekly and any accumulated debris must be washed or shaken off.

The outdoor coil should be inspected monthly (more often in extremely dusty environments). Gently brush off accumulated dirt or debris. It may also be necessary to back flush the coil with water to dissolve compacted dirt. Insure that electrical power is SHUT OFF during the back flush operation. To gain access for the back flush procedure, remove the fan grille. To avoid damage to the condenser fins, do not use excessive pressure while back flushing.

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