AIRTEC

Wiring instructions for installing the following 24 V Aspen Pumps into LG MINISPLITS WITH 230 V AC CONDENSERS:

FOR FLEXI MULTI SYSTEMS ONLY

Mini Orange	Mini Lime	Mini Aqua
ASP-MO-LG24	ASP-ML-LG24 ASP-MLS-LG24 ASP-MLOEM-LG24	ASP-MA-LG24

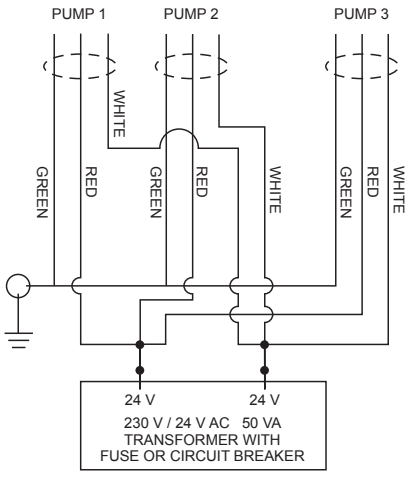
1. Mount transformer into NEMA enclosure and mount enclosure onto condenser terminal cover.
2. Drill 3/4" hole through back of enclosure and through metal of terminal cover.
3. Fit waterproof gland for wiring to pass through.
4. Wire input terminals of transformer, including ground wire, to incoming power terminals in condenser as per diagram below (115VAC or 230VAC).
5. No fuse is required as transformer has its own fuse or circuit breaker.

NOTE:
DO NOT USE SEPARATE 115 V or 230 V OUTLET TO POWER TRANSFORMER AND PUMP AS THIS IS NOT FAIL SAFE AND MAY CAUSE AN OVERFLOW !

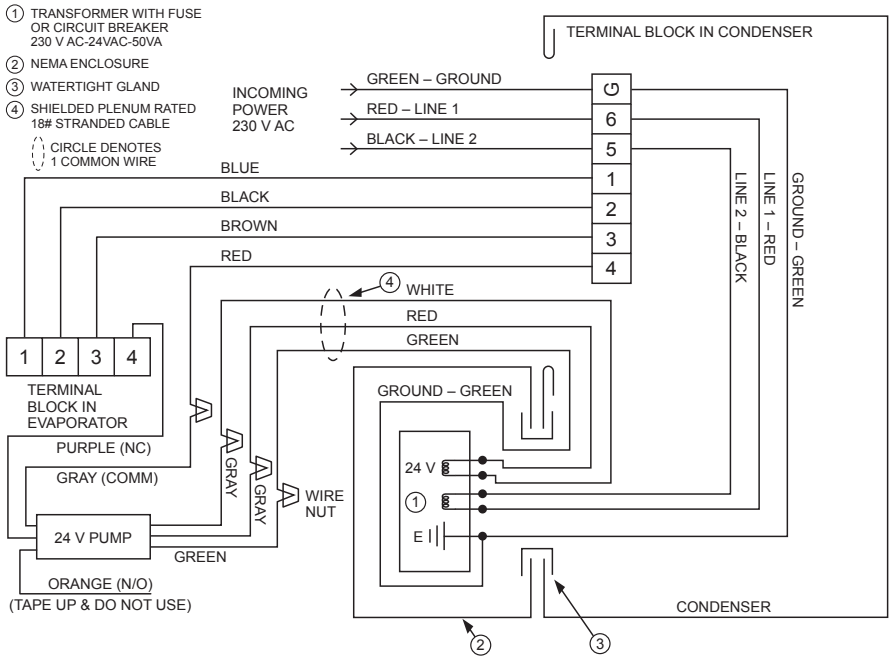
6. Connect 24 volt output terminals of transformer to red and white conductors of cable supplied (NOTE, THIS CABLE MUST BE SHIELDED TO ELIMINATE INTERFERENCE WITH ELECTRONIC SIGNALS).
7. Connect green conductor of cable to ground terminal on transformer.
8. Connect red and white conductors to gray power wires from pump with wire nuts.
9. Connect green conductor to green ground wire on pump with wire nut.
10. Connect terminals 3 (brown), 2 (black) & 1 (blue) only in evaporator to terminals 3, 2 & 1 in condenser. Do not connect terminal 4.
11. To wire up overflow switch, connect terminal 4 from condenser (red) to gray (common) wire from pump with a wire nut as per diagram.
12. Connect purple wire (normally closed) from pump directly to terminal 4 in evaporator as per diagram.
13. Tape end of orange wire (normally open) from pump and do not use.

NOTE:
OVERFLOW ALARM WIRE MUST BE CONNECTED TO ENSURE THAT, IN CASE OF PUMP FAILURE OR BLOCKAGE IN DISCHARGE HOSE, EVAPORATOR WILL SHUT DOWN.

CONNECTION OF THE OVERFLOW ALARM CIRCUIT IS MANDATORY AND FAILURE TO DO SO WILL INVALIDATE PUMP WARRANTY !



WIRING FOR
MULTI PUMP INSTALLATION



WIRING FOR
SINGLE PUMP INSTALLATION