

SEA FROST®

BD SPEED CONTROL AND THERMOSTAT (with AEO function) (For XP Compressors)

Installation

The thermostat on this panel uses a capillary type sensor. This can't be lengthened or shortened, as it is hollow and filled with vapor under pressure. You must mount the panel close enough to allow the pigtail bulb to be fastened to the evaporator plate at one of the mounting points. When mounting to a two-plate system the bulb is typically mounted to the second plate. This is the one without the valve.

Mount the BD Speed Control Thermostat panel in a dry area. It can be panel mounted or can be installed into a surface mount box.

The speed control has red LEDs indicating the compressor is running and at what speed. Be sure it is easy to view. . Mount with the 4 #6 flat head screws provided.

The BD Speed Control Thermostat panel has a 15 foot 4 wire harness. These wires may be cut or spliced as needed. If you are splicing be sure to maintain the color code. The harness wires connect to the BD compressor module.

Wiring

Disconnect one of the power cables while making the wiring changes.

[] Unplug the red fan wire. Cut off connector and strip wire. Strip the red wire from the speed control. Crimp both wires together with a female insulated terminal. Plug this connector into the male blade of piggyback terminal which is on the (small) + terminal of the module.

[] Unplug the black fan wire from terminal F and cut off the connector and strip the wire. Strip the black wire from the speed control. Crimp both wires together with a female insulated crimp terminal. Plug this connector into F terminal on the module.

[] Connect the white speed control wire to the C terminal using a female crimp terminal.

[] Connect the green speed control wire to the T terminal using a female crimp terminal.

Operation

There are four positions AEO, high, medium and low. Refer to your XP manual for AEO operating features.

1/01/08