

JTL USERS CONVERSION GUIDE

USING AN LCPN AS A REPLACEMENT PART FOR AN LCIC OR LCPC

The LCPN can be used as a replacement for LCIC & LCPC controllers where the original controller is working with a mechanical expansion valve. There are various connection differences on the output relays and temperature sensor connections.

TEMPERATURE SENSORS

When using the LCPN to replace an LCIC/LCPC the external probe cable and connector board should be removed and the sensors connected directly to the LCPN. The connection order on the converter and the LCPN is the same.

LIQUID SOLENOID

When using the LCPN to replace an LCIC, the liquid solenoid connections should be moved from Relay 3 to Relay 5. Take care to ensure the Line and Load connections are preserved in the same order.

SUMMARY OF CONTROLLER DIFFERENCES

Controller Functional Differences

LCIC & LCPC	Can be used for Electronic Expansion Valve control
LCPN	Can't be used for Electronic Expansion Valve control

Temperature Sensor Connection Differences

LCIC & LCPC	Have a Din socket for temperature sensor connections
LCPN	Has screw terminals for temperature sensor connections

Output Differences

LCIC	Has the liquid solenoid valve output on relay 3
LCPN & LCPC	Have the liquid solenoid valve output on relay 5

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