



# Technical Bulletin (XR-0008-SUP)

## CoreSense™ Conversion

Version 1, April 2017

If a CoreSense™ module is going to remain in the control circuit after a Copeland™ to BITZER conversion, modifications to the standard retrofit guidelines are required. These modifications are to accommodate CoreSense™ and to bypass the motor thermistor inputs. The CoreSense™ motor protection is not needed since this function will be performed by the BITZER motor protection module.

These requirements are in addition to the instructions in the BITZER document, XR-0008.

### Required Accessories

- P400 Oil Pressure Sensor – p/n 860-0002-01
- 2.2kΩ, 1W Resistor Pack – p/n 999-0028-01

### Optional Accessories

- 24vac SE-B2 Module – p/n 347027-14
- 24vac Unloader Coil(s) – p/n 884-0202-00
- Liquid Injection Valve (LT only – includes a 220v coil)

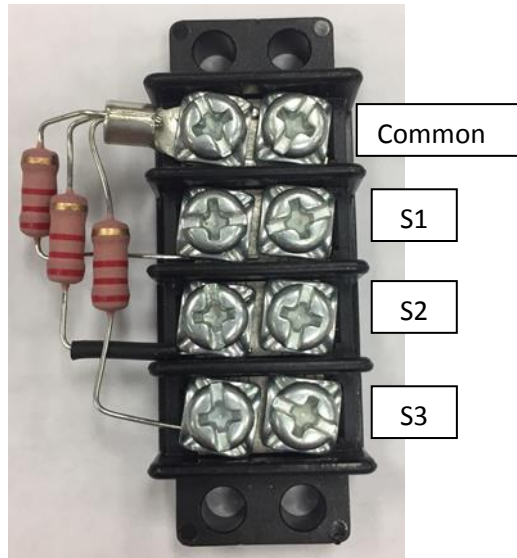
Compressor	LI Valve
4JE-15	361010-01
4HE-18	361010-01
4GE-23	361010-01
4FE-28	361010-01
6JE-25	361010-04
6HE-28	361010-04
6GE-34	361010-04
6FE-44	361010-04

- Alternate Coil Voltages

Voltage	Coil p/n
24vac	884-0202-00
115v	884-0202-01
24vac	884-0202-00

## CoreSense™ Conversion Requirements

- P400 Oil Protection Sensor
  - Replaces the existing sensor
  - Wire directly into the CoreSense™
- 2.2kΩ, 1W Resistor Pack
  - Wire the Common, S1, S2 and S3 directly to the CoreSense™



- 24vac Module
  - Replaces the 115/230v SE-B3 Module installed on the BITZER compressor
  - Wire the module in parallel with the 24v CoreSense™ power supply
- Liquid Injection Valve (LT only)
  - The existing liquid injection valve cannot be reused
  - Use the CoreSense™ 24v liquid injection output to control the replacement coil/valve
- CoreSense™ Mounting Example

