Description:
When applying the 06TA and 06TR compressor in applications with the operating voltage may be consistently run under the nominal line voltage and where the condensing temperature is in the upper portion of the operating envelope it may be necessary to use dial motor cooling injection valves to maintain motor temperature. Care should be taken in applying these parallel injection valves such that the discharge gas superheat is not excessively reduced. Oil separation can be negatively impacted resulting in high carryover if the discharge gas superheat drops below 10°F. The dual otor cooling valve can be controlled through the LonCEM module through the addition of a slave relay. Figure 1 shows the typical wiring of a motor cooling injection valve. Figure 2 shows how dial valves should be installed with the slave relay.

![Typical (Single Motor Cooling Valve) LonCEM Wiring Schematic](image1)

![Parallel Motor Cooling Valves LonCEM Wiring Schematic](image2)