

F6872 EAC-8002 Three Phase Motor Protector



Features:

- **Line Input Voltage:** 190 - 600 VAC
- **Contactor / Load Side Voltage:** 190 - 600 VAC
- **Over/Under Voltage:** 2 to 25% nominal voltage. Adjustable by 1% increments. Provides load shut down and fault register when the line voltage becomes greater/lower than the set value. Load will be shut down after programmed FAULT DELAY has elapsed.
- **Phase Unbalance Protection:** 2 to 20% range adjustable by 1% increments. Provides load shut down and fault register when the voltage at phase pairs become too high or too low related to the average voltage. Load will be shut down after programmed FAULT DELAY has elapsed.
- **Phase Loss Protection** - Phase is considered lost (and registered as a fault in the fault memory) if the phase unbalance becomes greater than 25%. The load is immediately shut down regardless of the FAULT DELAY setting.
- **Delay on Make** - .1 to 10 minutes in 6 second increments. Provides delay on application of either control signal or when power returns to a non fault condition. Load will not be energized until delay has elapsed. Display shows delay-on-make time remaining, in seconds. It replaces the average voltage in LINE/ LOAD mode.
- **Delay on Break** - .1 to 25 minutes in 6 second increments. Provides delay-on-break of either control signal or power faults. Delay-on-break timer continues to function with or without power applied to the EAC-8002. Load will not re-energize until setup time delay has elapsed. Display: Shows delay-on-break time remaining, in seconds. It replaces the average voltage in LINE/ LOAD mode.
- **Fault Delay Timer** - 1 to 15 seconds in 1 second increments. Provides a time delay between the detection of a fault and actual load shut-down. Load will be shut down after programmed FAULT DELAY setting in the event of a fault condition. Display shows time delay remaining and the related fault, if system power is available. It replaces the display information in LINE/ LOAD mode.
- **Control Voltage: Range:** 18 to 288 VAC 50/60Hz. Controls EAC-8002 output relay when Control Mode is set to EXTERNAL.
- **Output Relay:** 10A/5A @ 240 VAC Resistive/GP, 10A/5A @ 28 VDC Resistive, 240VA, 240 VAC Pilot Duty, 12A NO @ 120 VAC Resistive/GP
- **Operating Temperature:** -20°C to +80°C, (-4°F to +176°F)
- **Voltmeter** - Accuracy ±1% typical ± 2% over -20 to +80 °C. Temp. range
- **Memory** - All values entered at the time of setup and up to 254 fault condition messages are stored in permanent non-volatile memory. Setup parameters and faults will remain stored in the unit indefinitely with or without power. This means that you can apply power to the EAC-8002 and adjust all system parameters at your shop, then ship the pre-programmed unit to your job site, ready to run!

4 - WIRING DIAGRAM (fig. 3)

