® fireye

E300 EXPANSION MODULE

1. GENERAL

1.1 OVERVIEW

The Expansion Module shall interface with the Fireye E100 FLAME-MONITOR™ and expand on the E100's annunciation capabilities. The E100 shall be designed to provide first out indication of an additional 16 limit conditions from the Expansion Module.

1.2 The Expansion Module shall be compatible with gas/oil firing, to provide all fuel limit and boiler limit first out annunciation of limits wired in the running interlock circuit of the E100 FLAME-MONITOR. These limits shall be: HIGH WATER, LOW WATER, HIGH GAS PRESSURE, LOW GAS PRESSURE, LOW OIL PRESSURE, LOW OIL TEMPERATURE, LOW ATOMIZING MEDIA, HIGH TEMPERATURE, HIGH PRESSURE, AIR FLOW and 3 ADDITIONAL AUXILLIARY LIMITS in the 3-P circuit. These additional messages shall be displayed on the Display Module of the E100 FLAME-MONITOR.

1.3 The Expansion Module shall provide first out annunciation of 3 AUXILLIARY LIMITS wired in the operating control circuit (L1-13) of the E100 FLAME-MONITOR.

1.4 The Expansion Module shall have provision to monitor a gas/oil fuel selector switch. If the fuel selector switch is moved during the "Burner On" time, the E100 will initiate a safety lockout.

1.5 The Expansion Module shall be the Fireye E300 with the 60-1950 wiring base.