

MONITOR HEATING SYSTEMS

Section 6: Troubleshooting

INDICATION OF FAILURE MODE

Digital Display	The Reason of Indication	Trouble Point
E01	At pre-purge, Flame rod is sensing flame when there should be none.	Flame sensing circuit, grounded flame rod or pinched wire.
E05	After power is turned on, power supply to the microprocessor timing circuit is incorrect.	Timer clock circuit bad or power cycles (hertz) to unit above or below acceptable levels.
E06	At starting of operation, the circuit to drive photo triac of Solenoid Pump is malfunctioning.	Solenoid Pump control circuit has a malfunction.
E08	Revolutions per minute of Combustion blower is malfunctioning.	Combustion blower or Combustion blower control circuit has a malfunction.
E13	No ignition.	Failure of Igniter, Solenoid Pump or circuit Board. Incorrect wiring or flame rod touches to burner parts. Air pressure switch or overheat open.
E14	Flame failure.	There are obstacles at circulation air inlet or outlet. Fan cage is clogged with dust. Inadequate fuel supply.
E15	Power supply voltage too low.	Voltage too low or Power detector circuit has a malfunction.
E16	Load failure of Combustion blower motor.	Flue Pipe is restricting air flow.