E300 EXPANSION MODULE   Bulletin E-3001

The Fireye E300 Expansion Module provides increased interlock supervision capability of the Flame-Monitor control system. By wiring any of 16 interlock switches into the Expansion Module (three additional recycling interlocks and 13 additional running safety interlocks), the Flame-Monitor will automatically act as a "first out" annunciator for these interlocks. The user can select the lockout message associated with each set of terminals of the E300 from a library of messages using the ED510 display module. The user can also customize the lockout alarm messages (up to 40 characters in length) by using an IBM compatible PC, E300 software (contact Fireye), EC485 converter, and ED512 cable. The E300 Expansion Module connects to the EB700 Chassis with an E350 ribbon cable. The Expansion Module does not interfere with the normal operation of the Flame-Monitor system. It expands the diagnostic capability of the control, identifying the specific limit in the operating control circuit (LI-13) or running safety interlock circuit (3-P) which caused the burner shutdown or lockout, reducing troubleshooting time and expense.
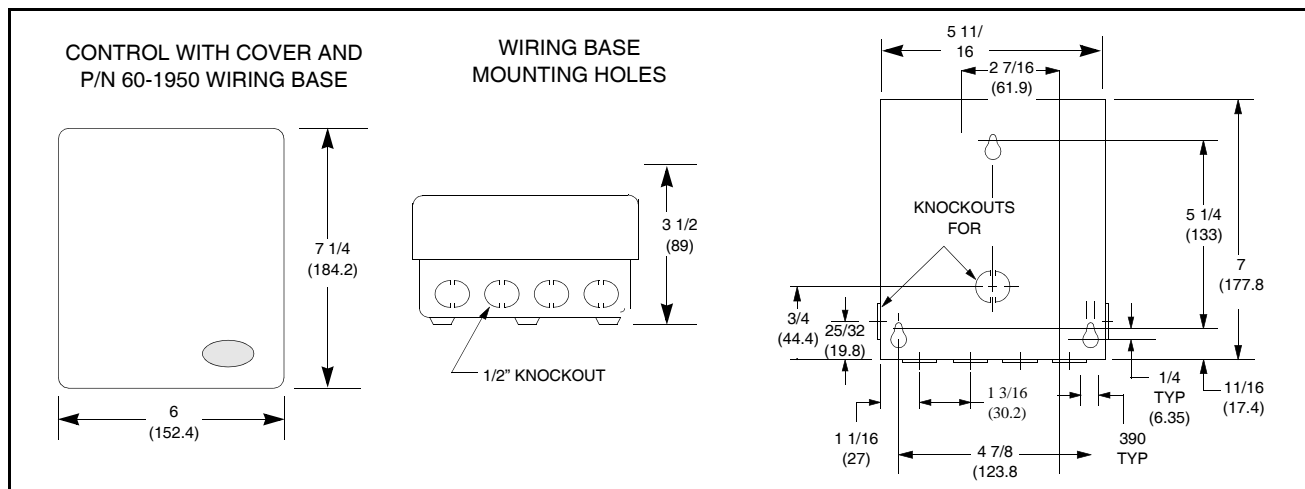
PARTIAL LIST OF SELECTABLE MESSAGES PROVIDED USING ED510 DISPLAY MODULE			
E340 OP CNTL OPEN	HIGH OIL PRESSURE	LOW OIL TEMPERATURE	E340 SAFETY INTLK OPEN
LOW GAS PRESSURE	LOW WATER	HIGH OIL TEMPERATURE	F.D.FAN INTLK
HIGH GAS PRESSURE	HIGH WATER	HIGH PRESSURE	I.D. FAN INTLK
HIGH STACK TEMPERATURE	LOW ATOMIZING MEDIA	HIGH TEMPERATURE	BLOWER MOTOR INTLK
LOW OIL PRESSURE	HIGH STACK TEMPERATURE	AIR FLOW OPEN	OIL GUN END SWITCH OPEN

PART NUMBER	DESCRIPTION
E300	120 VAC Expansion Module for Flame-Monitor
E350-3	Expansion Module cable, 3 ft.
E350-6	Expansion Module cable, 6 ft.
60-1950	Wiring Base for E300
EC485	RS232/RS485 converter for programming custom messages
UC485	USB / RS485 converter for programming custom messages
ED512-2	RJ12 connector cable - 2 ft. for programming custom messages
Contact Fireye for software for programming customized messages.	

DIMENSIONS

CONTROL WITH COVER AND P/N 60-1950 WIRING BASE

WIRING BASE MOUNTING HOLES

7 1/4 (184.2)

6 (152.4)

3 1/2 (89)

1/2" KNOCKOUT

5 11/16

2 7/16 (61.9)

KNOCKOUTS FOR

5 1/4 (133)

7 (177.8

3/4 (44.4)

25/32 (19.8)

1 3/16 (30.2)

1/4 TYP (6.35)

11/16 (17.4)

1 1/16 (27)

4 7/8 (123.8

390 TYP

E320 EXPANSION MODULE
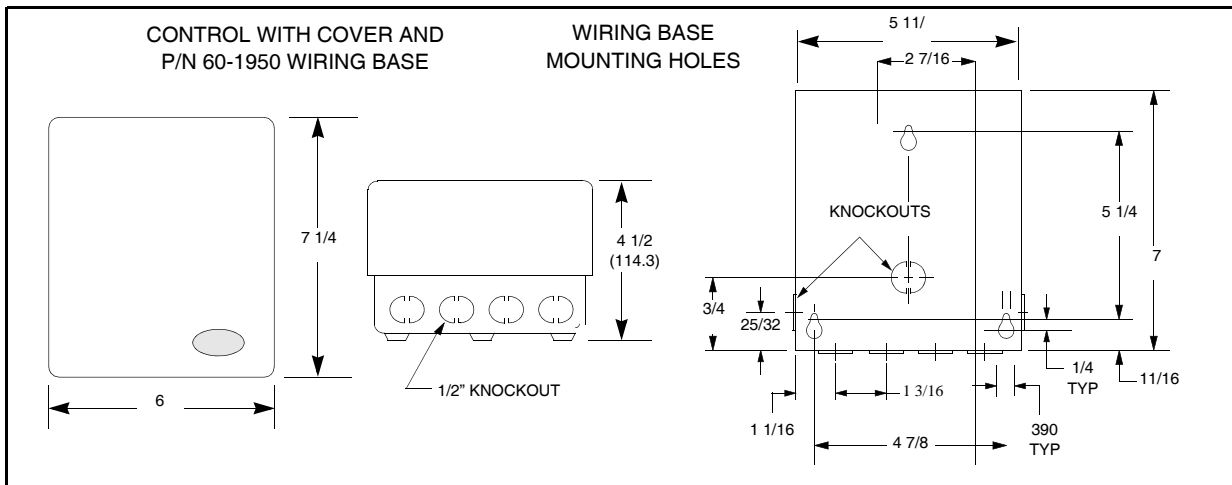
The Fireye E320 Expansion Module provides increased interlock supervision capability of the Flame-Monitor system. The Expansion Module connects to any EB720 Flame-Monitor chassis with a ribbon cable. It is used exclusively with the 220V/240V Flame-Monitor system. By wiring any of sixteen interlock switches into the expansion module, the Flame-Monitor display will automatically act as a "first-out" annunciator for these interlocks. In addition, a fuel selection circuit is standard.

The user can select the lockout message associated with each set of terminals of the E320 from a library of messages when using the ED510 display module. The user can also customize the lockout alarm messages (up to 40 characters in length) by using an IBM compatible PC, E300 software, EC485 converter, and ED512 cable. The expansion module does not interfere with the normal operation of the Flame-Monitor system. It expands the message and diagnostic capability. The E320 problem solving system provides operation information and reduces troubleshooting time and expense. It expands the standard display messages of the Flame-Monitor system.

DIMENSIONS

CONTROL WITH COVER AND P/N 60-1950 WIRING BASE

WIRING BASE MOUNTING HOLES

PART NUMBER	DESCRIPTION
E320	230 VAC Expansion Module for Flame-Monitor control
E350-3	Expansion Module Cable 3 ft.
E350-6	Expansion Module Cable 6 ft.
60-1950	Wiring Base for E320
EC485	RS232/RS485 converter for programming customized messages.
ED512-2	RJ12 connector cable - 2 feet for programming customized messages.