



**PRODUCT GUIDE
SPECIFICATION**

**YZ300
INTERLOCK ANNUNCIATOR
FOR USE WITH
BurnerLogix CONTROLS**

1. GENERAL

1.1 OVERVIEW

The YZ300 Interlock Annunciator Module shall interface with the Fireeye YB110 or ZB110 BurnerLogix and expand on the YB110 or ZB110 annunciation capabilities. The YB110 and ZB110 shall be designed to accept first out indication of an additional 20 limit conditions from the YZ300 Interlock Annunciator.

1.2 The YZ300 Interlock Annunciator 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 (3-P) circuit of the YB110 or ZB110 BurnerLogix control. These limits shall be: HIGH WATER, LOW WATER, HIGH GAS PRESSURE, LOW GAS PRESSURE, AUXILIARY GAS, HIGH OIL TEMPERATURE, LOW OIL TEMPERATURE, LOW OIL PRESSURE, LOW ATOMIZING MEDIA, HIGH PRESSURE, HIGH TEMPERATURE, AIR FLOW and 4 ADDITIONAL AUXILIARY LIMITS. These additional messages shall be displayed on the Display Module of the YB110 or ZB110 BurnerLogix.

1.3 The YZ300 Interlock Annunciator shall provide first out annunciation of 4 AUXILIARY LIMITS wired in the operating control (L1-3) circuit of the YB110 or ZB110 BurnerLogix control.

1.4 The YZ300 Interlock Annunciator shall have provision to monitor a gas/oil fuel selector switch and operate as gas only, oil only, or simultaneous fuel firing and in each operating mode be able to properly annunciate all interlocks.

1.5 The YZ300 Interlock Annunciator shall connect to the YB110 or ZB110 control and assume its same MODBUS-RTU address and baud rate.

1.6 The user shall be able to modify the messages associated with each terminal of the YZ300 Interlock Annunciator in the following manner:

- Use the BLL510 or BLV512 Display Module to select a message from a library of available messages.
- Use a PC with a Windows based operating system and associated hardware (RS232/RS485 converter, P/N EC485) and cable (ED512) and running program YZ300P to customize the messages. Each message for each interlock shall have a maximum length of 40 characters.

1.7 The YZ300 Interlock Annunciator need not be connected to a YB110 or ZB110 control to be custom programmed.

1.8 The YZ300 Interlock Annunciator shall be connected to the YB110 or ZB110 control using Fireeye cables, part number ED580-4 or ED580-8.

1.9 The YZ300 Interlock Annunciator shall mount into a Fireeye wiring base, part numbers 60-2872-1 or 60-2874-1.