

Intermittent Pilot Ignition

24VAC-120VAC

IXU Series



FEATURES:

- Microprocessor Based Circuit
- Diagnostic LED Indicator light
- Local (one rod) or Remote (two rod) Rectification Flame Sense
- Natural and LP Gas Equipment
- Multiple Tries For Ignition
- Case/Cover or Board with Stand Offs
- Automatic One Hour Reset After Lockout
- Flame Test Pins

APPLICATIONS:

- Unit Heaters
- Commercial Cooking Equipment
- Gas Fired Furnaces, Heaters and Boilers

DESCRIPTION

The series model IXU is a 24 or 120VAC Intermittent Spark to Pilot ignition control. The microprocessor circuit design provides precise, repeatable timing and operating sequences. The on-board diagnostics with LED output provides assistance with troubleshooting to ensure a safe and efficient operation.

Full featured design makes it the right choice for any gas fired appliance and works with both natural and LP gas.

APPROVALS

Software conforms to UL 1998 requirements
Designed to ANSI Z21.20 Standards



Model IXU-506-111

Specifications

INPUT VOLTAGE	- 18-30VAC 50/60 Hz (Class 2 Transformer) or - 102-138VAC 50/60 Hz
CURRENT DRAW MAIN VALVE	2.0A @ 24VAC or 120VAC
INPUT CURRENT DRAIN	300mA Gas valve relays energized
OPERATING TEMPERATURE	-40F to 160F, -40C to +71C
FLAME SENSITIVITY	0.7uA Minimum
FLAME FAILURE RESPONSE	0.8 Seconds Maximum
TYPES OF GAS	Natural, LP, or Manufactured
SPARK RATE	50/60 Hz (Line Frequency)
SIZE (L x W x H)	5.69x3.94x1.87 inches, 14.42x10.0x4.75 cm
WEIGHT	
MOISTURE RESISTANCE	CONFORMAL COATED TO 95% R.H. AVOID DIRECT EXPOSURE TO WATER
ENCLOSURE	Case/cover or Integral Stand offs

ON BOARD DIAGNOSTICS

LOCKOUT MODE	LED INDICATION
Ignition Failure	2 Flashes
Flame Lost	3 Flashes
MCU Failure or Flame Exists	4 Flashes

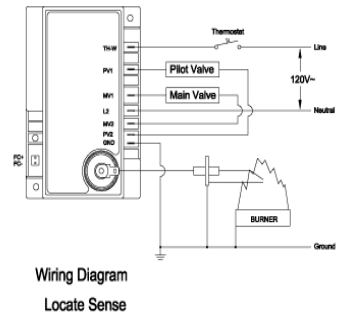
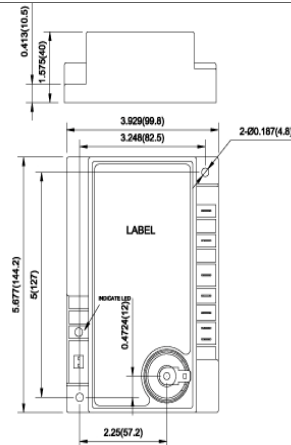
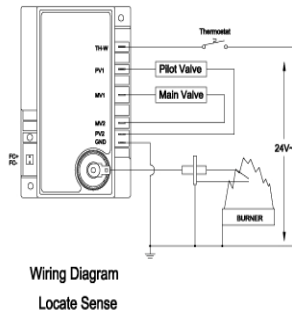
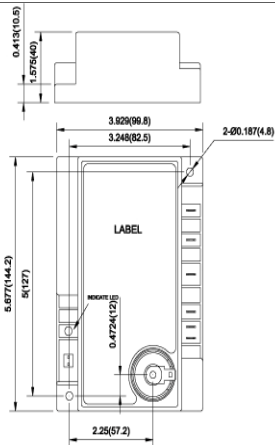
Main Offices/Warehouse:



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Ordering Information

IXU	X	X	X	X	-	X	X	X	DESCRIPTION
RESET METHODS AND ENCLOSURE									
2 = POWER OFF RESET—CASE/COVER									
3= AUTOMATIC RESET—CASE/COVER									
4 = POWER OFF RESET—INTEGRAL STAND-OFFS									
5 = AUTOMATIC RESET—INTEGRAL STAND-OFFS									
FLAME SENSING METHOD									
R = REMOTE SENSE									
L = LOCAL SENSE									
TRIAL FOR IGNITION									
1 = 15 SECONDS									
2 = 30 SECONDS									
5 = 90 SECONDS									
INTER-PURGE									
0 = NONE (Single Try Models Only)									
1 = 15 SECONDS									
2 = 30 SECONDS									
3 = 90 SECONDS									
PRE-PURGE									
0 = NONE									
1 = 15 SECONDS									
2 = 30 SECONDS									
4 = 45 SECONDS									
6 = 60 SECONDS									
TRIES FOR IGNITION									
1 = SINGLE TRY									
3 = THREE TRIES									
5 = FIVE TRIES									
INPUT VOLTAGE									
2 = 24VAC									
3= 120VAC									
9 = SPECIAL OEM CONFIGURATION									
IXU = INTERMITTENT PILOT IGNITION CONTROL UltraLiter Series									



DISCONNECT THE POWER SUPPLY BEFORE MAKING WIRING CONNECTIONS TO PREVENT ELECTRICAL SHOCK OR EQUIPMENT DAMAGE.

EXPLOSION HAZARD. CAN CAUSE INJURY OR EQUIPMENT DAMAGE.

Only trained professional gas appliance service technicians should install and check out this control.