

Hot Surface Ignition 24VAC - 120VAC - 240VAC HXUA Series

ULTRA LITER IGNITION CONTROLS

FEATURES:

- 24VAC Microprocessor Based
- Diagnostic LED Indicator Light
- Field Selectable 120V/240V
- Multiple Tries For Ignition
- Case/Cover or Board with Stand Offs
- Custom Pre-Purge & Inter-Purge Timings
- Automatic One Hour Reset After Lockout
- Flame Test Pins

APPLICATIONS:

- Commercial Dryers
- Commercial Cooking Equipment
- Gas Fired Furnaces and Boilers
- Commercial Water heaters

DESCRIPTION

The model HXUA above is a solid state 24VAC or 120/240VAC Hot Surface 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 HXUA

Specifications

INPUT VOLTAGE	- 18-30VAC 50/60 Hz - Line: 24/120/240VAC (L1, L2 only)
CURRENT DRAW MAIN VALVE	2.0A @ 24VAC max
INPUT CURRENT DRAW	300mA @ 24VAC with blower & gas valve relays energized
HOT SURFACE ELEMENT	5.0A max @ 120VAC
OPERATING TEMPERATURE	-40F to 175F, -40C to +80C
WEIGHT	
FLAME SENSITIVITY	0.7uA Minimum
HOT SURFACE ELEMENT	5.0A max @120/240VAC
TYPES OF GAS	Natural, LP, or Manufactured
IGNITER	24/120VAC depends on model
SIZE (L x W x H)	5.69x3.94x1.87 inches, 14.42x10.0x4.75 cm
ENCLOSURE	Case/Cover or Bare Board with integral Stand Offs
MOISTURE RESISTANCE	CONFORMAL COATED TO 95% R.H. AVOID DIRECT EXPOSURE TO WATER
TRIES FOR IGNITION	One or Three Try Versions

ON BOARD DIAGNOSTICS

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

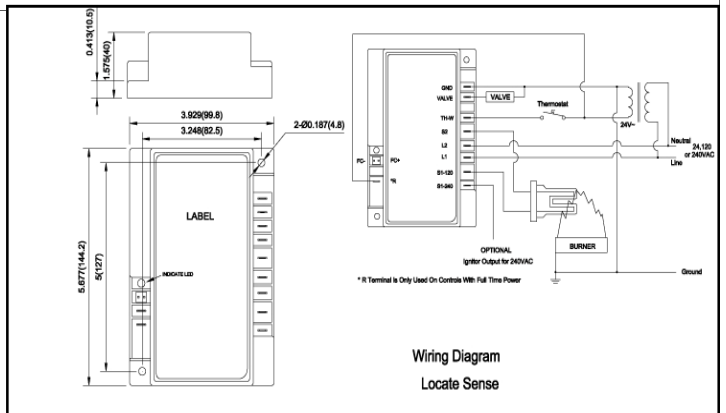
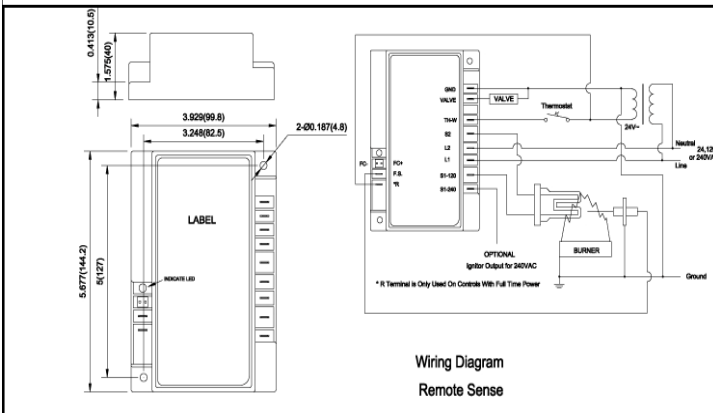
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BENNI TECHNOLOGIES

Ordering Information

HXUA	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 - STAND OFFS WITH NO COVER									
5 = AUTOMATIC RESET - STAND OFFS WITH NO COVER									
FLAME SENSING METHOD									
R = REMOTE SENSE									
L = LOCAL SENSE									
TRIAL FOR IGNITION									
1 = 7 SECONDS									
2 = 10 SECONDS									
5 = 40 SECONDS									
INTER-PURGE									
0 = NONE (Single Try Models Only)									
1 = 15 SECONDS									
2 = 30 SECONDS									
PRE-PURGE									
0 = NONE									
1 = 15 SECONDS									
2 = 30 SECONDS									
TRIES FOR IGNITION									
1 = SINGLE TRY - ONE HOUR AUTO RESET									
2 = THREE TRIES - ONE HOUR AUTO RESET									
3 = SINGLE TRY- NO ONE HOUR RESET									
4 = THREE TRIES - NO ONE HOUR RESET									
INPUT VOLTAGE									
2 = 24VAC (4 SEC HEAT UP)									
3 = 120/240VAC (40 SEC HEAT UP)									
9 = SPECIAL OEM CONFIGURATION									
HXUA = HOT SURFACE IGNITION CONTROL UltraLite[®] 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.