

# Hot Surface Ignition 120VAC HXM Series



## FEATURES:

- Diagnostic LED Indicator light
- Custom Pre-Purge and Inter-Purge Timings
- Small Heavy Duty Compact Size
- Multiple Tries For Ignition
- Potted or Bare Board with Stand-Offs
- Automatic Reset One Hour After Lockout

## APPLICATIONS:

- Commercial Cooking Equipment
- Furnaces, Boilers, Infrared Heaters
- Gas Fired Equipment and Appliances
- Commercial Water Heaters

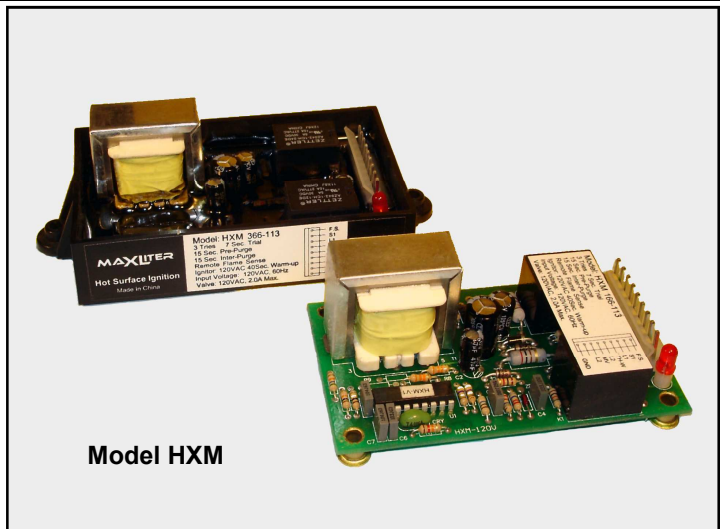
## DESCRIPTION

The model HXM above is a 120VAC 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 safe and efficient operation.

Small heavy duty compact design makes it easy to install and the right choice for any gas fired appliance that works with natural and LP gas.

## APPROVALS

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



Model HXM

## Specifications

INPUT VOLTAGE	- 102-138VAC 50/60 Hz, Line 120VAC
CURRENT DRAW MAIN VALVE	2.0A @ 120VAC
INPUT CURRENT DRAW	100mA @ 120VAC with gas valve relays energized
HOT SURFACE ELEMENT	5.0A max @ 120VAC
OPERATING TEMPERATURE	-40F to 175F, -40C to +80C
FLAME SENSITIVITY	0.7uA Minimum
FLAME FAILURE RESPONSE	0.8 Seconds Maximum
TYPES OF GAS	Natural, LP, or Manufactured
IGNITER	120VAC hot surface igniters up to 5.0A
SIZE (L x W x H)	4.00x2.3x1.50 inches, 10.3x5.85x3.81 cm
ENCLOSURE	Potted Shell or bare Board with integral Stand Offs
MOISTURE RESISTANCE	POTTED OR 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

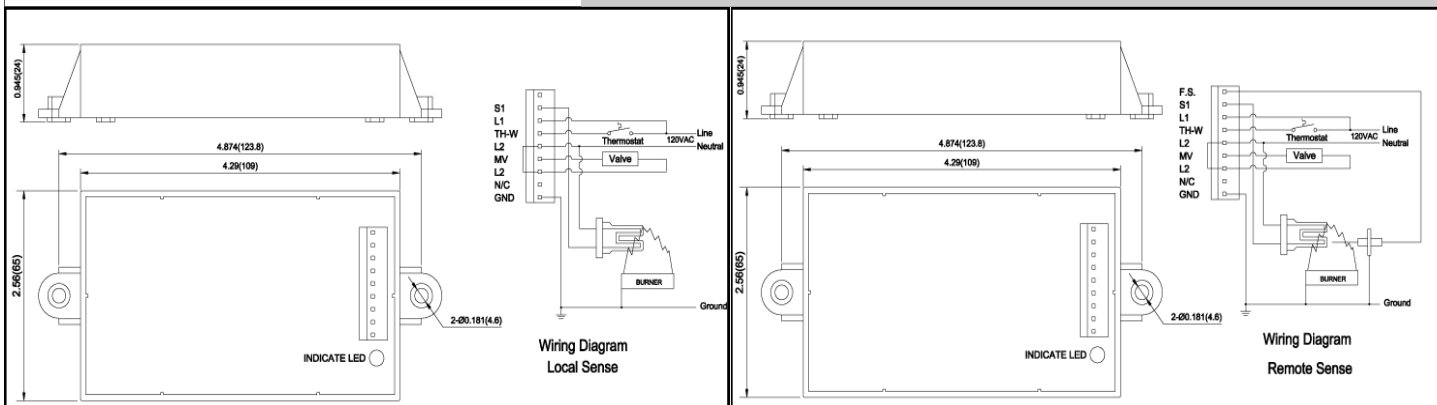
## Main Offices/Warehouse:



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# Ordering Information

HXM	X	X	X	X	-	X	X	X	DESCRIPTION
									<p><b>RESET METHODS AND ENCLOSURE</b></p> <p>2 = POWER OFF RESET/POTTED            3 = AUTOMATIC RESET/POTTED            4 = POWER OFF RESET—INTEGRAL STAND-OFFS NO COVER            5 = AUTOMATIC REST—INTEGRAL STAND-OFFS NO COVER</p> <p><b>FLAME SENSING METHOD</b></p> <p>R = REMOTE SENSE            L = LOCAL SENSE</p> <p><b>TRIAL FOR IGNITION</b></p> <p>1 = 4 SECONDS            2 = 7 SECONDS            5 = 10 SECONDS</p> <p><b>INTER-PURGE</b></p> <p>0 = NONE            1 = 15 SECONDS            2 = 20 SECONDS            3 = 30 SECONDS</p> <p><b>PRE-PURGE</b></p> <p>0 = NONE            1 = 3 SECONDS            2 = 5 SECONDS            4 = 15 SECONDS            6 = 30 SECONDS</p> <p><b>TRIES FOR IGNITION</b></p> <p>1 = SINGLE TRY            3 = THREE TRIES            5 = FIVE TRIES</p> <p><b>INPUT VOLTAGE</b></p> <p>3 = 120VAC            9 = SPECIAL OEM CONFIGURATION</p> <p><b>HXM = HOT SURFACE IGNITION CONTROL MaxLiter Series</b></p>



**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.