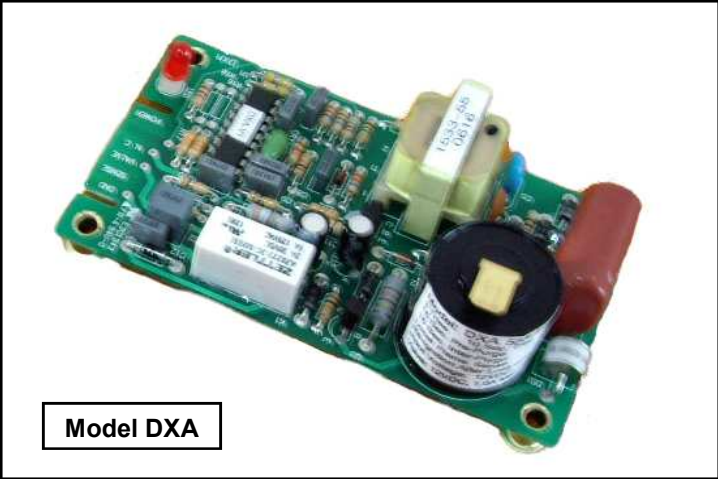


Direct Spark Ignition 12VDC DXA Series



FEATURES

- Precise Microprocessor Solid State Circuit
- Diagnostic LED Indicator light
- Local (one rod) or Remote (two rod) Rectification Flame Sense
- Rugged Compact Size
- Multiple Tries For Ignition and Custom Purges
- Potted or Bare Board with Integral Stand Offs



Model DXA

APPLICATIONS

- RV and Marine Cooking Equipment
- RV Furnaces
- Asphalt Road Heaters
- RV and Marine Water heaters

DESCRIPTION

The series model DXA above is a 12 VDC direct spark gas ignition microprocessor control. This "state of the art" microprocessor circuit design provides safe, precise, repeatable timing and operating sequences. The on-board diagnostics with LED output provides service assistance with troubleshooting to ensure a safe and efficient operation. It is available as a bare board or in a potted shell casing. Multiple ignition tries and custom purges highlight additional benefits.

APPROVALS

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

Specifications

VOLTAGE	9 to 15 VDC (battery or full wave rectified unfiltered 50/60 Hz Power Supply)
CURRENT DRAW MAIN VALVE	200mA @12VDC
VALVE CONTACT RATING	1.0A @12VDC
OPERATING TEMPERATURE	-40F to 167F (-40C to 75C)
FLAME SENSITIVITY	0.7uA minimum
FLAME SENSING METHOD	Remote or Local flame rectification
FLAME FAILURE RESPONSE	0.8 seconds
TYPES OF GAS	Natural , LP or manufactured
SPARK RATE	10 sparks per second
SIZE (L x W x H)	4.00 x 2.30 x 1.50 inches , 10.3 x 5.85 x 3.81 cm
ENCLOSURE	Potted shell module or integral stand offs
MOISTURE RESISTANCE	Design to Operate at 95% R.H. Always Avoid Direct Contact With Water
TRIES FOR IGNITION	One or Three Tries
PURGE TIMINGS	None, 15 or 25 seconds depending on model
TRIAL FOR IGNITION	5, 7, 10, or 25 seconds

ON BOARD DIAGNOSTICS

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

Main Offices/Warehouse:

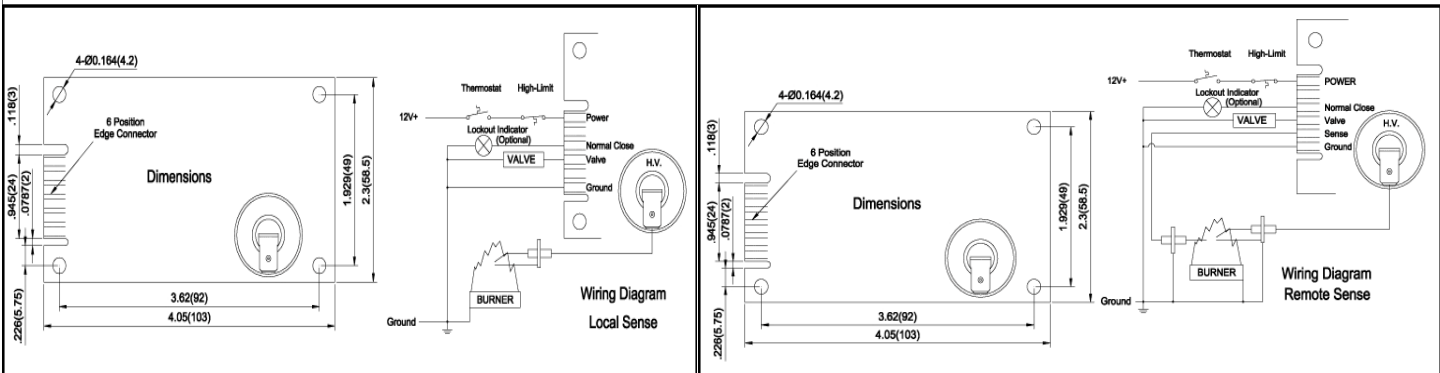


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Ordering Information

DXA	X	X	X	X	-	X	X	X		DESCRIPTION
										<p>RESET METHODS AND ENCLOSURE</p> <p>2 = POWER OFF RESET—INTEGRAL STAND-OFFS 3 = POWER OFF REST—POTTED</p> <p>FLAME SENSING METHOD</p> <p>R = REMOTE SENSE L = LOCAL SENSE</p> <p>TRIAL FOR IGNITION</p> <p>1 = 5 SECONDS 2 = 7 SECONDS 5 = 10 SECONDS</p> <p>INTER-PURGE</p> <p>0 = NONE 1 = 15 SECONDS 2 = 25 SECONDS</p> <p>PRE-PURGE</p> <p>0 = NONE 1 = 15 SECONDS 2 = 25 SECONDS</p> <p>TRIES FOR IGNITION</p> <p>1 = SINGLE TRY 3 = THREE TRIES</p> <p>INPUT VOLTAGE</p> <p>2 = 12VDC 9 = SPECIAL OEM CONFIGURATION</p>

DXA = DIRECT SPARK IGNITION CONTROL AstraLiter 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.