

Direct Spark Ignition 12VDC DXB Series



Features:

- Blower Relay with Selectable Post Purge
- Diagnostic LED Indicator Light
- Local or Remote Flame Sensing
- Small Compact Size
- Custom Tries For Ignition
- Board with Integral Stand Offs
- Flame Test Pin Safe Start
- Multiple Tries For Ignition



Model DXB

Applications:

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

DESCRIPTION

The series model DXB above is a 12 VDC direct spark ignition control and comes with an optional combustion blower relay with selectable post-purges. It contains a microprocessor circuit design that provides precise, repeatable timing and reliable operating sequences. The on-board diagnostics with LED output provides service assistance with troubleshooting to ensure a safe and efficient operation.

APPROVALS

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

Specifications

VOLTAGE	9-15 VDC (battery or full wave rectified unfiltered)
CURRENT DRAW MAIN VALVE	300mA @ 12VDC
VALVE CONTACT RATING	1.0A @ 12VDC
OPERATING TEMPERATURE	-40F to 176F (-40C to 80C)
FLAME SENSITIVITY	0.7uA minimum
FLAME SENSING METHOD	Remote or Local Sense
FLAME FAILURE RESPONSE	0.8 seconds maximum
TYPES OF GAS	Natural, LP or Manufactured
SPARK RATE	16 sparks per second
SIZE (L x W x H)	4.25 x 3.25 x 1.80 inches, 10.8x8.25x4.57 cm
ENCLOSURE	Open board with integral stand offs
WEIGHT	
POST PURGE TIMINGS	130 seconds
TRIAL FOR IGNITION	5, 7, 10, or 25 seconds
PRE-PURGE TIMINGS	None, 15 or 25 seconds depending on model

ON BOARD DIAGNOSTICS

Lockout Mode	LED Indication
Air Flow Failure	1 Flash
Ignition Failure	2 Flashes
Flame Lost	3 Flashes
MCU Failure or Flame Exists	4 Flashes

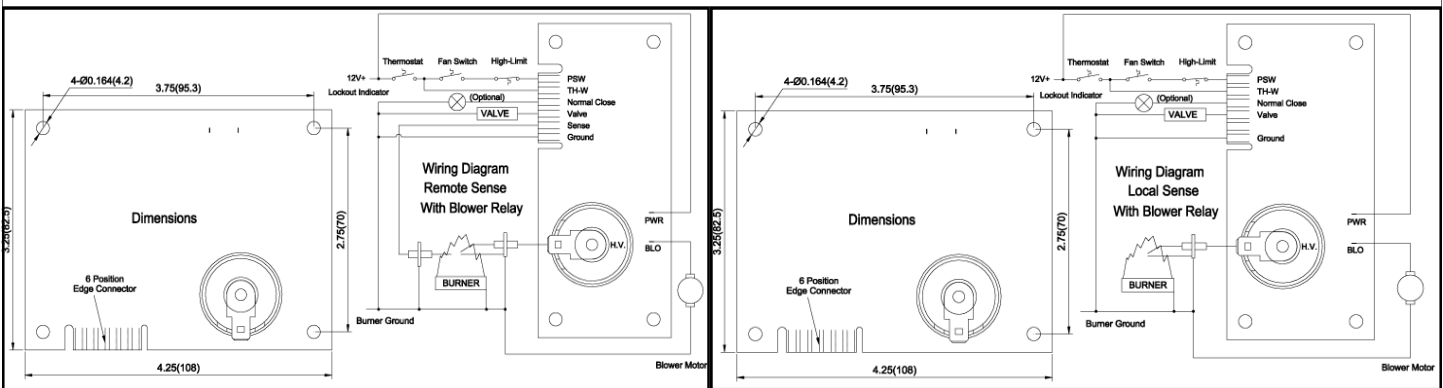
Main Offices/Warehouse:



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Mira Loma, CA 91752
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Ordering Information

DXB	X	X	X	X	-	X	X	X	DESCRIPTION
									<p>RESET METHODS AND ENCLOSURE</p> <p>2 = POWER OFF RESET—INTEGRAL STAND-OFFS 3 = AUTOMATIC ONE HOUR RESET—INTEGRAL STAND-OFFS 4 = POWER OFF RESET—POTTED—SIZE A ONLY 5 = AUTOMATIC ONE HOUR RESET—POTTED—SIZE A ONLY 6 = POWER OFF RESET—CASE/COVER—SIZE B ONLY 7 = AUTOMATIC ONE HOUR RESET—CASE/COVER—SIZE B ONLY</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 3 = 45 SECONDS</p> <p>PRE-PURGE</p> <p>0 = NONE 1 = 15 SECONDS 2 = 25 SECONDS 4 = 30 SECONDS 6 = 45 SECONDS</p> <p>TRIES FOR IGNITION</p> <p>1 = SINGLE TRY 3 = THREE TRIES</p> <p>INPUT VOLTAGE</p> <p>2 = 12VDC Integral Stand Offs 9 = Special oem configuration</p>
<p>DXB = DIRECT SPARK IGNITION CONTROL AstraLiter Series</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.