

Direct Spark Ignition

24VAC & 120VAC

DXM Series

MAXLITER

IGNITION CONTROL

FEATURES:

- Diagnostic LED Indicator light
- Remote or Local Flame Sensing
- Natural and LP Gas Equipment
- Multiple Tries For Ignition
- Potted or with Integral Stand-Offs
- Custom Pre-Purge & Inter-Purge Timings
- Automatic One Hour Reset

APPLICATIONS:

- Infrared Radiant Heaters
- Commercial Cooking Equipment
- Gas Fired Furnaces, Fire Places and Gas Boilers
- Commercial Water Heaters and Dryers

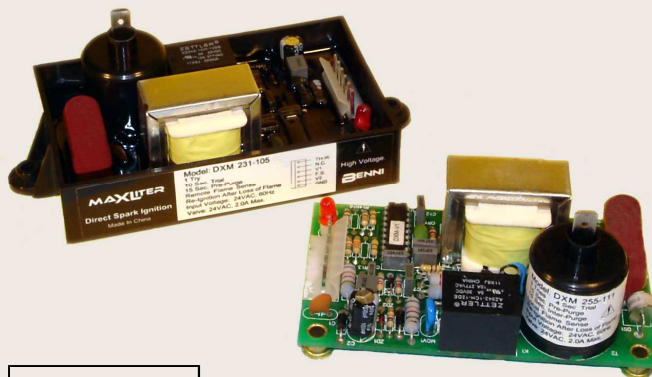
DESCRIPTION

The model DXM above is a 24 or 120VAC Direct Spark 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 direct spark appliance and works with both natural and LP gas.

APPROVALS

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



Model DXM

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	300 mA @ 24VAC, 350 mA @120VAC
VALVE CONTACT RATING	2.0A @ 24VAC, 1.5A@ 120VAC
OPERATING TEMPERATURE	-40F to 175F, -40C to +80C
TYPES OF GASES	Natural, LP, or Manufactured
FLAME SENSITIVITY	0.7uA Minimum
SPARK RATE	50/60 Hz (Line Frequency)
FLAME FAILURE RESPONSE	0.8 Seconds Maximum
SIZE (L x W x H)	4.00 x 2.30 x 1.50 inches
ENCLOSURE	Potted or Integral Stand Offs
MOISTURE RESISTANCE	CONFORMAL COATED OR POTTED TO 95% R.H. AVOID DIRECT EXPOSURE TO WATER
WEIGHT	

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:

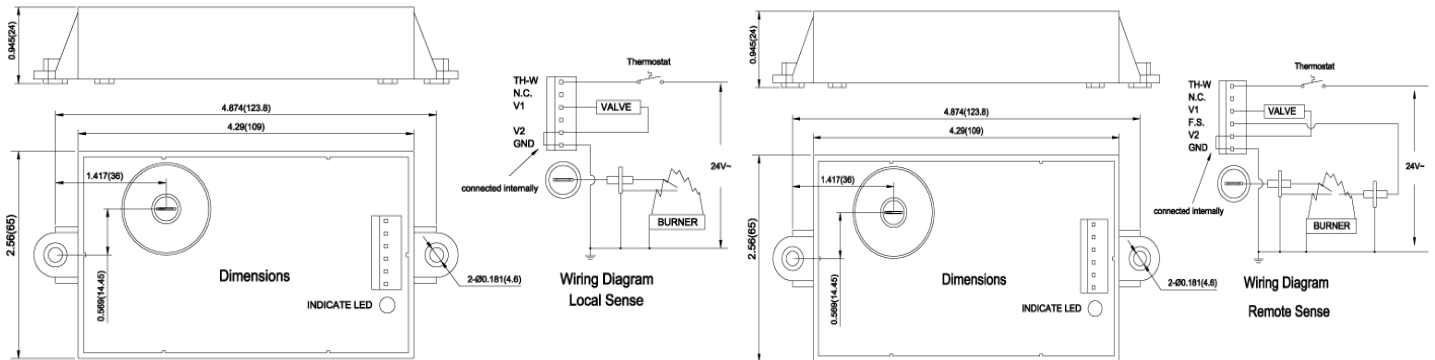


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Ordering Information

DXM	X	X	X	X	-	X	X	X	DESCRIPTION
RESET METHODS AND ENCLOSURE									
2 = POWER OFF RESET - POTTED									
3 = AUTOMATIC RESET - POTTED									
4 = POWER OFF RESET - INTEGRAL STAND OFFS WITH NO COVER									
5 = AUTOMATIC RESET - INTEGRAL STAND OFFS WITH NO COVER									
FLAME SENSING METHOD									
R = REMOTE SENSE (DUAL ROD)									
L = LOCAL SENSE (SINGLE ROD)									
TRIAL FOR IGNITION									
1 = 4 SECONDS									
2 = 7 SECONDS									
5 = 10 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									
3 = 120VAC									
9 = CUSTOM SPECIAL OEM CONFIGURATION									
DXM = DIRECT SPARK IGNITION CONTROL MaxLiter 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.