

4070 High Energy Igniters



Powerful Spark Ignition for New or Existing Burner Applications

Advanced Technology

The 4070 series igniter combines high energy and continuous durability through an innovative electronic transformer. Installing the 4070 igniter is made easy with its compact, light-weight electronic design and versatile surface or pole mount design. With its smaller size and advanced technology, the 4070 outperforms larger competitive units.

Flexible

The 4070 series of ignition transformers provide a strong electric spark ensuring light-off of your North American burners. Consult North American for air-assisted igniters and high excess air burner applications. As an added benefit, the 4070's output is half-wave rectified permitting some flame relays to ignore UV from the spark--a UV blind feature.

Models

4070-NB

Standard 4070 igniter supplied with NEMA 4 enclosure and U-bolts for pole mounting.

4070-NBM

Same as 4070-NB except for the male connector. The male connector is used when a longer run is needed and a 4085 extension cable is used to lengthen the run.

SPECIFICATIONS

Input: 120 V ac, 60 Hz, 40 VA

Output Cable: 15 inches of #16 AWG

Igniter: Output: 9 kV, 45 mA RMS

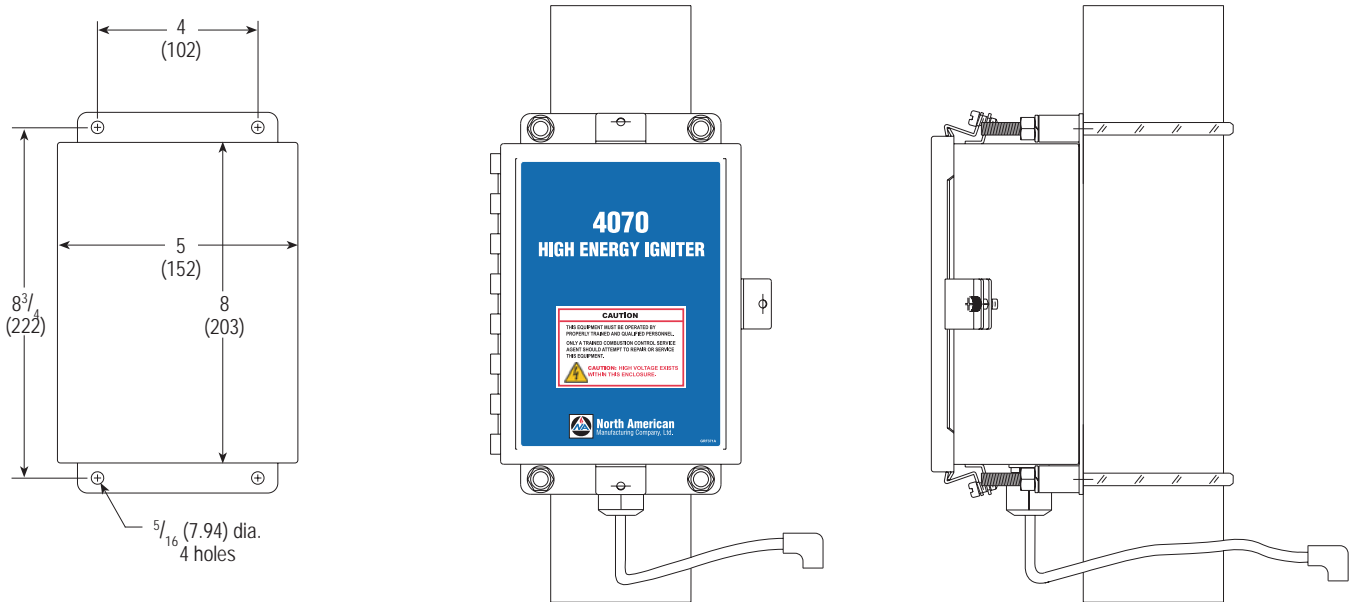
Secondary Grounding: Single-point endpoint grounding

Operating Temperature: 32 F to 140 F

Agencies: UL Recognized, CSA Certified

Storage Temperature: -40 F to 185 F

DIMENSIONS inches (mm)



DIMENSIONS SHOWN ARE SUBJECT TO CHANGE. PLEASE OBTAIN CERTIFIED PRINTS FROM FIVES NORTH AMERICAN COMBUSTION, INC. IF SPACE LIMITATIONS OR OTHER CONSIDERATIONS MAKE EXACT DIMENSION(S) CRITICAL.

ORDERING INFORMATION

Standard comes with female spark connector. Male connector must be used if 4085 extension wire is required.

4070-

NB = NEMA 4 enclosure
NBM = NEMA 4 enclosure and male connector

WARNING

North American igniters must be installed and serviced only by a qualified burner service technician. Always disconnect power source before wiring to avoid electrical shock or damage to electrical components.

NOTICE

Grounding – The ignition circuit requires a reliable ground path back to the 4070 panel.

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American urges compliance with National Safety Standards and insurance Underwriters recommendations, and care in operation.

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