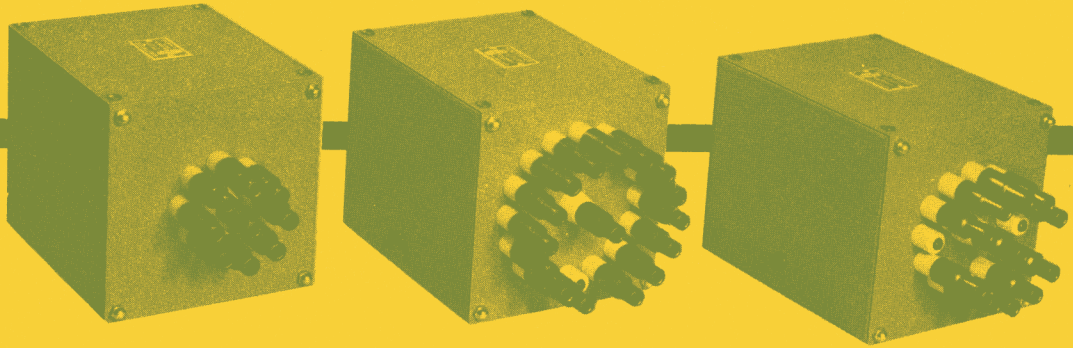




Form 5909N IGNITIFIER I



motor-driven **MULTI-BURNER** igniter control automatically fires up to **40** burners...in seconds!

IMPROVED SAFETY AND PERFORMANCE

One unit automatically fires-up a complete network of gas burners—in ovens, furnaces, boilers and heat treating systems.

HIGH-SPEED SPARK IGNITION

40 burners within *3 seconds*—at the touch of a pushbutton!

NO SPARK GAP LOSS

Positive contact-wiper switching design eliminates arcing gap and wasted energy—puts full voltage spark at burner!

INTERCHANGEABLE COMPONENTS

When systems are enlarged, Rotor unit and spark electrode end plates can be replaced with higher capacity units to accommodate additional burners.

HOW IT WORKS...

When the IGNITIFIER is energized by a START button, a motorized double-end shaft rotates its wiping contact against a series of stationary contact tips (one for each Ignitor in the system). This causes a high voltage impulse from an ignition transformer to be fed to each burner spark electrode, and immediately ignites the gas-air mixture at each burner position (gas-air mixture has been simultaneously released with actuation of the START button). The unit repeats until all burners are ignited.

SPECIFICATIONS

Maximum Voltage—up to 6,000 volts (10-12,000 volts available as special units).

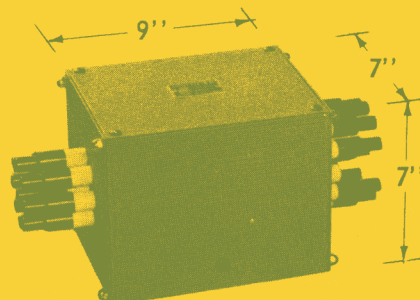
Motor Speed—Double-end shaft rotates wiping contact at 30 RPM. Motor is permanently lubricated—no maintenance required.

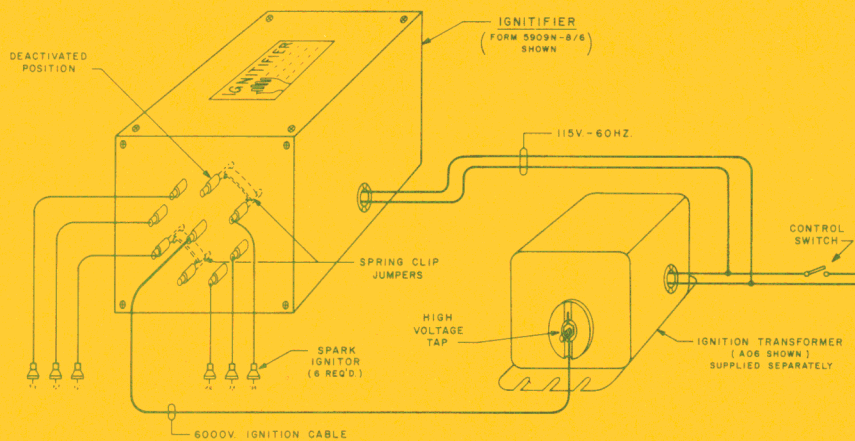
Cable Connections—(to burner spark electrodes) Porcelain-insulated to prevent burnouts or high voltage breakdown.

Power—Operates from 115 volts, 60 HZ.

Mounting—In any position.

IGNITIFIERS are arranged to accommodate any number of burners. Please specify EXACT number of burners to be ignited. Unused positions must be properly deactivated to avoid internal arcing.





Typical connections for IGNITIFIER Form 5909N-8, -12, -16 and -20. For IGNITIFIER Form 5909N-24, -28, -32, -36 and -40 use A10 ignition transformer and connect second High Voltage tap to center position of IGNITIFIER connectors at opposite end.

INSTRUCTIONS FOR IGNITIFIER

Operating and Maintenance:

Ambient temperature should not exceed 125° F.

Use an occasional drop of oil on both sides of output shaft and on armature bearing reservoir of Heavy Duty Ignitifier Motor.

Encased Delrin gearing needs no additional lubrication.

Assembly should be kept closed and tight to exclude dirt, abrasives and corrosives.

To activate an unused position on Ignitifier:

Remove present nylon screw and insert ferrule connector through porcelain insulators and screw into mushroom head contact.

Snap on straight insulated connector.

Remove spring clip inside Ignitifier joining mushroom contacts.

To deactivate a live position on Ignitifier:

Remove straight insulated connector.

Remove present ferrule connector and insert nylon screw through porcelain insulators and screw into mushroom head contact.

Install spring clip jumper inside Ignitifier connecting shoulders of mushroom head contact of deactivated position to adjoining live mushroom head contact.

NOTE: Deactivated positions should not be adjacent to each other and should preferably be opposite or symmetrical to each other. Unused (un-connected) positions must be interconnected to an adjacent live position with a spring clip jumper to avoid arcing. Arcing creates ozone within the enclosure which is detrimental to Delrin gears and bearing lubricant. IGNITIFIER will be supplied with spring clip jumpers installed for the exact number of ignitors.

POWER EQUIPMENT CO.

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