

Universal Replacement Intermittent Pilot Ignition Control



Description

The G779 Universal Replacement Intermittent Pilot Ignition Control replaces many existing intermittent pilot controls made by various manufacturers. It is a safety control designed for indirect burner ignition and supervision.

The G779 can be used with all gas-fired appliances with a maximum firing rate of 400,000 Btu/hr.

Applications

The G779 replaces existing intermittent pilot ignition controls with the following specifications:

- flame detection using flame rectification technology (ability of a flame to conduct and rectify current)
- integral or remote flame sensing
- non-100% lockout, 100% lockout, or 100% shutoff with continuous retry
- trial for ignition period greater than or equal to 25 seconds
- prepurge period less than 1 second
- pilot burners with flow rates of 1,500 Btu/hr or less
- operating with or without vent dampers

The G779 is **not** designed to replace ignition controls with the following specifications:

- pilot flame detection by any means other than flame rectification
- trial for ignition period of less than 25 seconds
- prepurge period greater than or equal to 1 second
- standing pilot applications

To Order

Specify code number **G779LHA-1**.

Specifications

G779 Universal Replacement Intermittent Pilot Ignition Control	
Operating Voltage	24 VAC at 50/60 Hz
Operating Current	25 VAC, 60 Hz
Contact Rating (PV & MV)	2 A continuous, 5 A inrush
Operating Temperature	-40° to 160° F
Humidity Rating	95% RH @ maximum operating temperature non-condensing
Ignition Source	High voltage spark, capacitive discharge
Prepurge	Less than one second
Number of Trials Before 100% Shutoff	One
Trial Time for Ignition	25 seconds ^(a)
Retry Delay Period	5 minutes ^(a)
Recommended Spark Gap	0.125 inch maximum
Means of Flame Detection	Flame rectification
Flame Failure Response Time	0.8 seconds
Minimum Flame Current Required	0.15 μ A
Wiring Connections	Spark: Spike Control: 1/4 inch male spade
Type of Gas	Natural, Liquefied Petroleum (LP), manufactured, mixed or LP gas-air mix
Agency Listings	CSA (AGA, CGA)

(a) Timings increase by 20% under 50 Hz operation