

CAUTION!
THE WIRE COLORS ARE FOR REFERENCE ONLY AND MAY CHANGE.
ENSURE THAT THE TERMINAL NUMBERS ARE FOLLOWED CORRECTLY AS
SHOWN.

SPARK WIRE

NEUTRAL WIRE

"PV" PILOT

"S1" FLAME SENSOR

"TH" 24 VAC

"MV" MAIN VALVE

1 2 4 3
PV TH SENSE MV

G67BG-2
IGNITION CONTROL

GAS VALVE 2 AMP MAX.
24 VAC, 50/60 Hz
NEC CLASS 2
AMBIENT TEMPERATURE:
-40 TO 150° F
CURRENT DRAW:
0.15 AMP
SPARK GAP: 0.100 IN.

JOHNSON
CONTROLS

1210 A

FC- FC+ ↑

DIAGNOSTIC INDICATOR LED MODE
ON CONTROL FAULT

2 FLASHES FLAME NO CALL FOR HEAT
3 FLASHES IGNITION LOCKOUT

FENWAL[®]
CATALOG NUMBER: 35-630501-003

AUTOMATIC IGNITION SYSTEM
PRE-PURGE: 0 SEC. IGNITION: 30 SEC.
INTERPURGE: 0 SEC.
INPUT: 24 VAC, 50/60 Hz, 300 mA
PILOT VALVE: 24 VAC, 2.0 A MAX.
MAIN VALVE: 24 VAC, 2.0 A MAX.

AMBIENT: -40° F to +150° F
ANSI Z21.20 CAN/CSA-C22.2 No. 199-M89
CAUTION: HI VOLTAGE - DISCONNECT WIRING BEFORE SERVICING

S1	V2 GND	IND/ MV1	V1/ PV1	TH/ W
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SPARK WIRE

NEUTRAL WIRE

"PV" PILOT

"S1" FLAME SENSOR

"TH" 24 VAC

"MV" MAIN VALVE

4000 250V
170VAC 60/50HZ
RATED TO 85°C Max Temp
Protective Coating