Burner Control BK-175WG

ELECTRIC FEATURES

OPERATION VOLTAGE	DC1.5V
OPERATION VOLTAGE RANGE	DC1.0V –DC2.0V
OPERATION CURRENT	DC100 mA (at DC1.5V)
OUTPUT VOLTAGE	12KV MIN
IGNITION CYCLE	6 HZ (at DC1.5V)
SAFETY TIME	50 ±10 s.

VERIFICATION:
System will verify the gas appliance at the beginning of the start sequence to determine the appliance were in a safe condition.

DUAL SAFETY DEVICE:
System will be lockout, by double circuit protect, immediately when any abnormities were found during operation.

SENSE CONTROL:
System operation depends on the normal flame sense. No current Allowed when flame sense malfunctioned or grounded. System will restore immediately following the loss of the sensed flame and will be lockout immediately following the loss of flame signal more than setting safety time.

POWER SAVE:
Operation voltage for pilot valve will be reduced to 0.6 VDC when main burner ON
Operation current will be reduced to 68mA during normal operation.

POWER CONTROL:
System will be lockout immediately when system power OFF or Turn OFF.

SAFETY TIME:
50 ± 10 s. all system will be lockout when the pilot unable to be ON and the main burner abnormal OFF.

OVERHEATING device (both of normal opened and normal closed types) compatible.

ENVIRONMENT FEATURES

All electric features meet requirements cover the ambient temperature range from -20℃ to +80℃ (-4 to 176 degrees F) for one hour and the storage temperature range from -25 ℃ to +85℃ (-13 to 185 degrees F)and the temperature and humidity resistance at the ambient temperature 40℃ (104 degrees F) with relative humidity of 90-95% for 72 hours.

DURATION FEATURES

Load free voltage resistance :,
All electric features meet requirements when power supplied and ignition for 1 minute.
Ambient temperature operation duration :
All electric features meet requirements for 100,000 times of 2 second ON and then 1 second OFF.