

GV60 Remote Electronic Ignition and Control System External Source Operation



OPERATING INSTRUCTIONS - FOR OEM USE ONLY

▲ WARNING

Fire or explosion hazard. Attempted disassembly or repair of controls can cause property damage, severe injury or death. Do not disassemble the gas valve; it contains no serviceable components.

Read these instructions carefully. Failure to follow them could result in a fire or explosion causing property damage, personal injury, or loss of life. The product must be installed and operated according to all local regulations.

BEFORE OPERATING verify that no gas is in the area around the appliance, including near the floor.

WHAT TO DO IF YOU SMELL GAS:

- Do not light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call the gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.

Use only your hand to push in or turn the gas control knobs. Never use tools. If a knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

Do not use this control or any gas appliance if any part has been under water or in contact with water. Immediately call a qualified service technician to replace the control system and any gas control system which has been under water or in contact with water.

APPLICATION

The GV60 will operate through an external source, such as a home automation system, by using the 5-wire pin connector on the receiver.

GENERAL NOTES

An Alex 2510-Z connector (not supplied) must be used to connect to the receiver. Signal relays (gold contacts) or opto-couplers are recommended.

Beginning in 2008, receivers produced with the part number G6R-R3 (or 4) A2... will have the capability of external source operation.

OPERATING INSTRUCTIONS

▲ WARNING

It is the appliance manufacturer's responsibility to fully disclose any operation from a remote source that will create an unsafe operating condition. For Europe see GADAC guidance sheet B12.

SEQUENCE OF OPERATION

(see figure 1)

- To start Ignition, close contacts 1 and 3 simultaneously for 1 second.
 - To set the valve to High Fire, close contact 1.
To set the valve to Pilot, close contact 3.
- In each case, the contacts need to be closed for 12 seconds to turn the motor from one end-stop to the other end-stop.
- To set the valve to the Off position, close contacts 1, 2, and 3 simultaneously for 1 second.

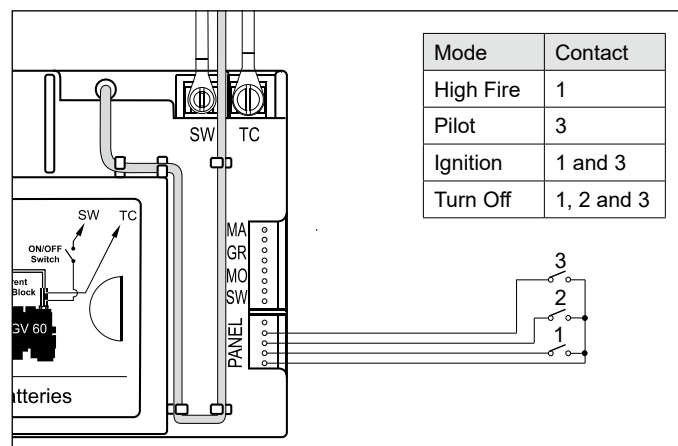


Figure 1: Wiring diagram and the operation sequence to achieve different settings

Wire Colors:

1 = red wire 2 = brown wire 3 = black wire 4 = orange wire

POSSIBLE MODES OF OPERATION

1. The external source provides "ON" and "OFF" operation only. The Timer/Thermostat Handset provides all other functions. The Standard handset has no timer/thermostat function.

NOTE:

Use with Timer/Thermostat Handset*

When the valve is turned "OFF" by an external source or handset, upon re-ignition it will go automatically into temperature control mode (CSA-versions) or manual mode (CE-versions).

Use with Standard Handset*

The valve will always default to manual mode upon re-ignition.

*See operating instructions for the different handsets.

2. A Standard Handset can be used where the external source has the capability to take over the temperature control.

NOTE:

Mertik Maxitrol offers an optional AC power adapter (G60 ZMAUS2 for North America and G60 ZMEU2 for Europe).

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