

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.

GENERAL NOTES

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

A 500 mm cable with Alex 2510-Z connector (see figure 2) is available (part number G60-ZCE/500). The overall length of the cable should not exceed 8 m.

Signal relays (gold contacts) or opto-couplers are recommended.

Only receivers which work together with the handsets, displayed in figure 1, will have the capability of external source operation.

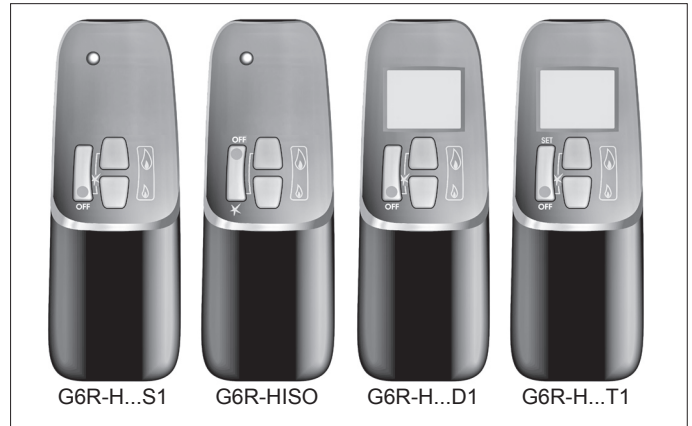


Figure 1

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 2)

- 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.

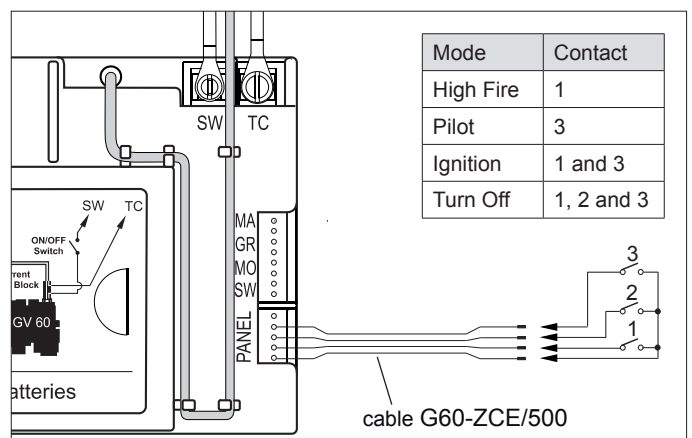


Figure 2: Wiring diagram and the operation sequence.

OPERATING INSTRUCTIONS

POSSIBLE MODES OF OPERATION

Mode 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:

Even if the fire is switched on by the external source, the thermostat handset in the thermostatic mode controls the room temperature. The room temperature setting of the handset will remain the same for the next ON-cycle of the external source as long as the temperature setting in the handset has not been changed. If the handset is in manual mode, it will go to high fire in the next cycle of external operation.

Mode 2

The thermostat handset must be set to the manual mode (or use standard handset) if the external source is to control room temperature. If the handset is placed in the thermostatic mode it will override the external source.

NOTE:

Frequent ON and OFF cycles will limit the life expectancy of the valve and will increase the battery consumption. The AC power adapter should be considered.