

# **GV60 for external operation, e.g. Domitica control**

28-05-2009

## **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 G60-ZCE/500mm cable with Alex 2510-Z connector (see figure 1 and 2) is available (part number 06022950). The overall length of the cable should not exceed 8m.

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

Only receivers which work together with the handsets, displayed in figure 3, will have the capability of external source operation.

## **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.

## **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 the 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.

## FIGURES

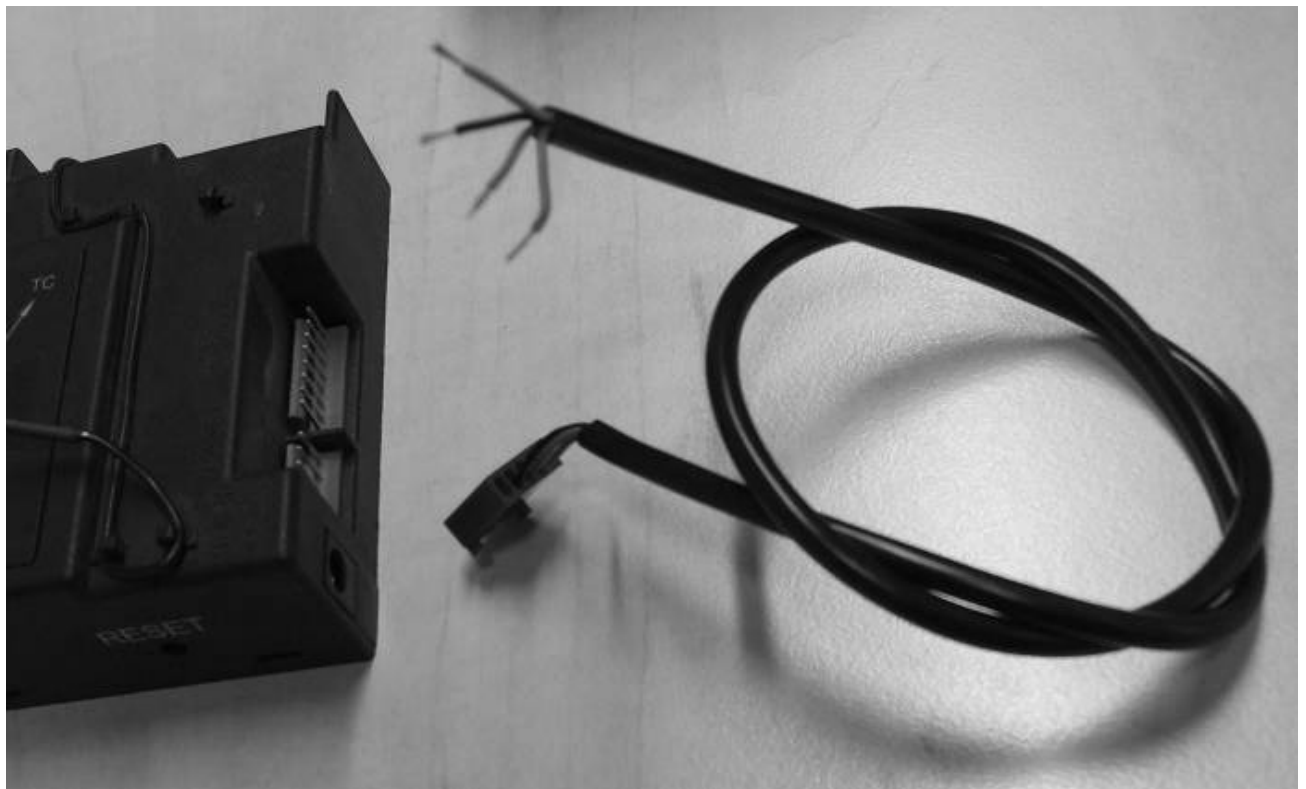


Figure 1

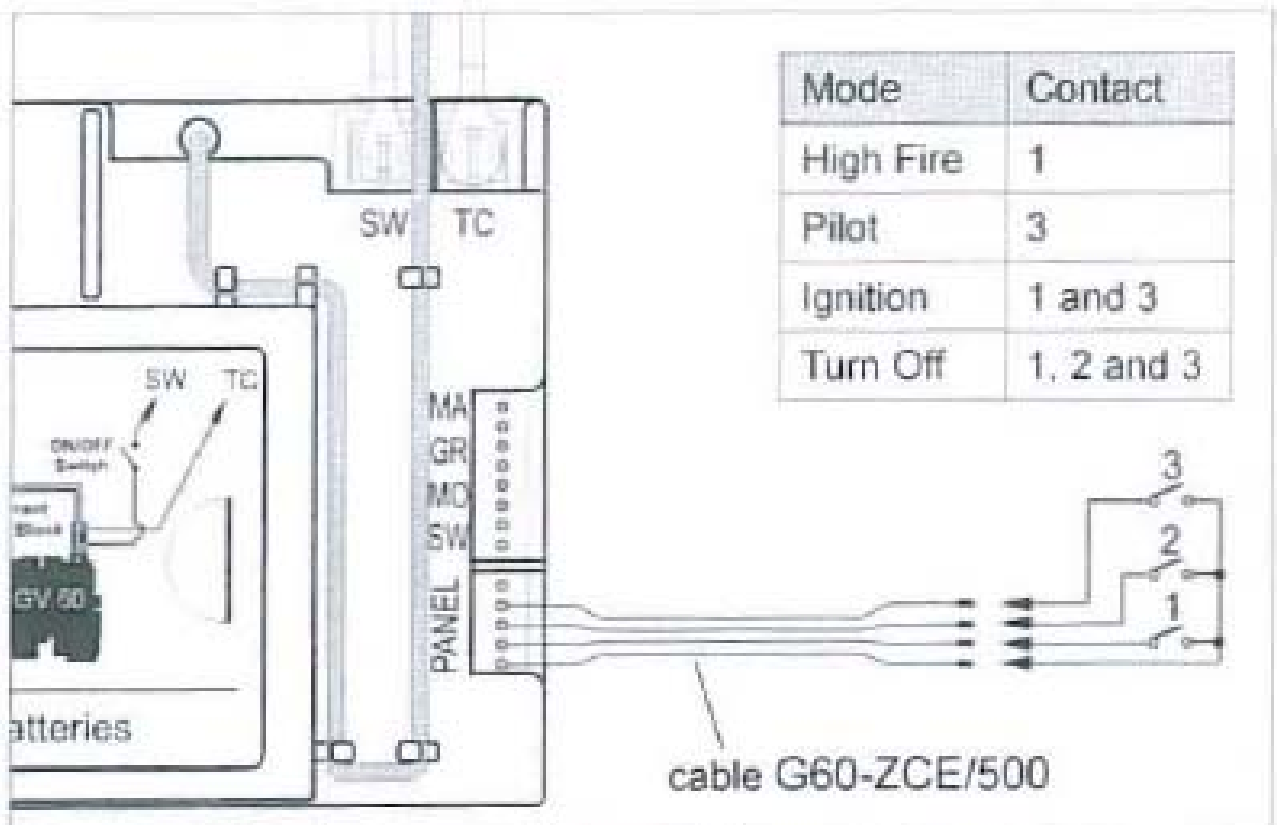


Figure 2

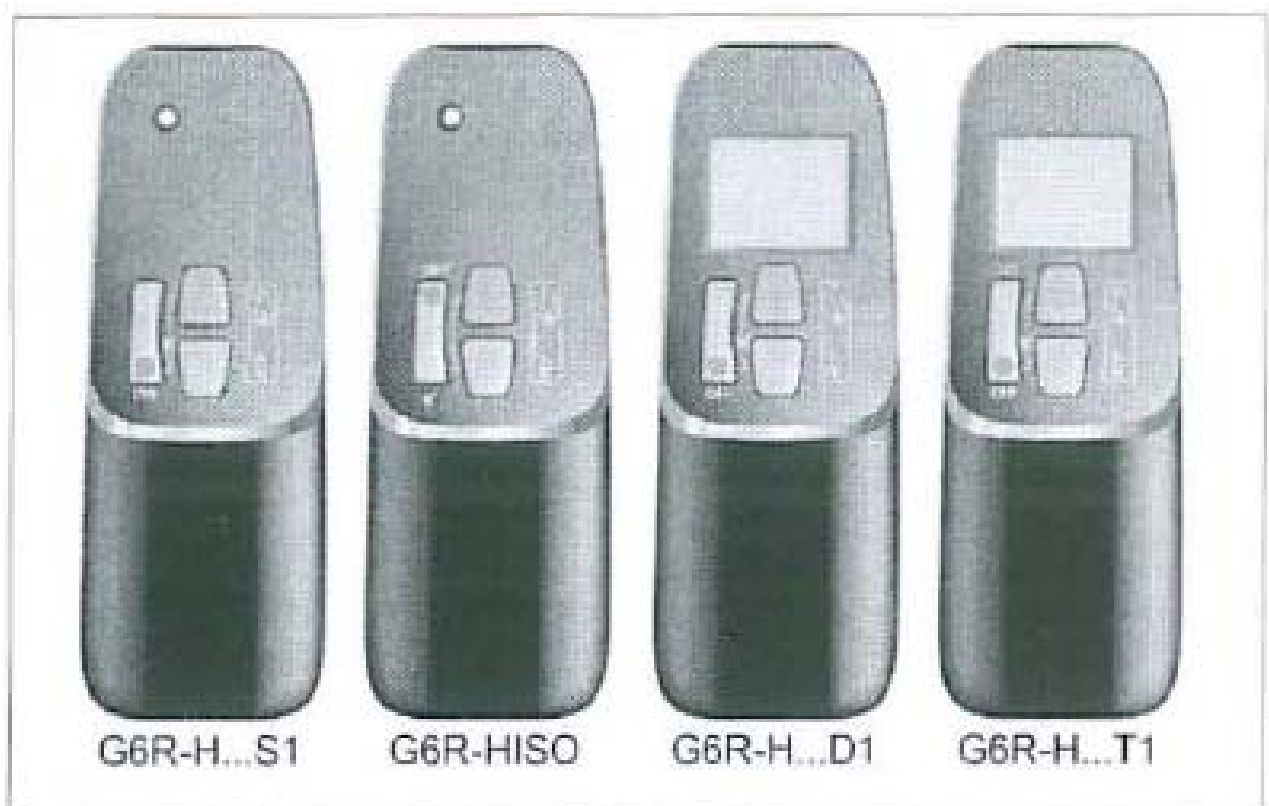


Figure 3