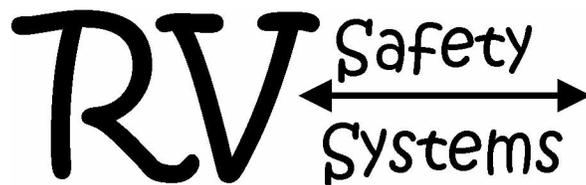


# Generator Shut-Down Module

*For use with the RV Safety System's  
Engine and Generator Fire Suppression Systems*

## Installation Manual

Revision 1.1 (10/7/07)



Our Business is Your Safety and Peace of Mind!

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**Please note: the information presented here applies to many generators and is presented as an example of a typical installation of the 6062 module. It is not intended to represent all applications. The installer must verify the wiring for the specific generator.**

### **Background**

This module is designed to be used with the RV Safety Systems Engine and Generator Fire Detection and Suppression System to facilitate shutting down most generators in the event that the EG-400™/EG-400-5™ Fire Detection Monitor detects a fire.

This module is designed to work with most Onan diesel generators. It will also work with other generators which use a momentary switch connection between the stop lead and ground.

This module provides the momentary stop switch function and is activated by the fire detection system.

### **Description/Installation**

The 6062 is a Multi-Purpose Timer Module adapted to the generator shut-down circuit. When the fire detection system triggers an auxiliary relay, that relay can activate the 6062 module which provides a momentary switch for the generator shut down system (between the stop lead and ground). As noted at the top of this page, this installation information is generic and is intended as a guide for a “typical” installation.

Most Onan diesel generators, as well as many other generators use a momentary switch to ground the stop function in the control system. In the case of Onan, the specific leads are located in the remote switch wire loom and are normally identified as the “A” and “E” terminals (see the diagram on page 3.). In many cases, the wires have printing that will identify the two wires.

If your application wiring is the same as that shown in the diagram on page 3, the “cutoff” leads from the 6062 module should be connected to the “stop” and “ground” wires via splices in the Onan wires.

Wire gauge should be at least 22 gauge. Wire used in the installation of the fire detection/system can also be used for wiring this module. The enclosure should be installed in a relatively protected area. All wiring should be done using acceptable procedures. Special care should be made to assure that the wire is well secured to prevent fatigue caused by vehicle vibration.

The module can be tested by applying 12V to the “+” and “-“ terminals of the 6062 and completing the wiring as shown on page 4. When the 12V supply is connected with the generator running, the generator should shut down quickly. The 6062 module function must be tested as a part of the test procedure for the Fire Suppression System.

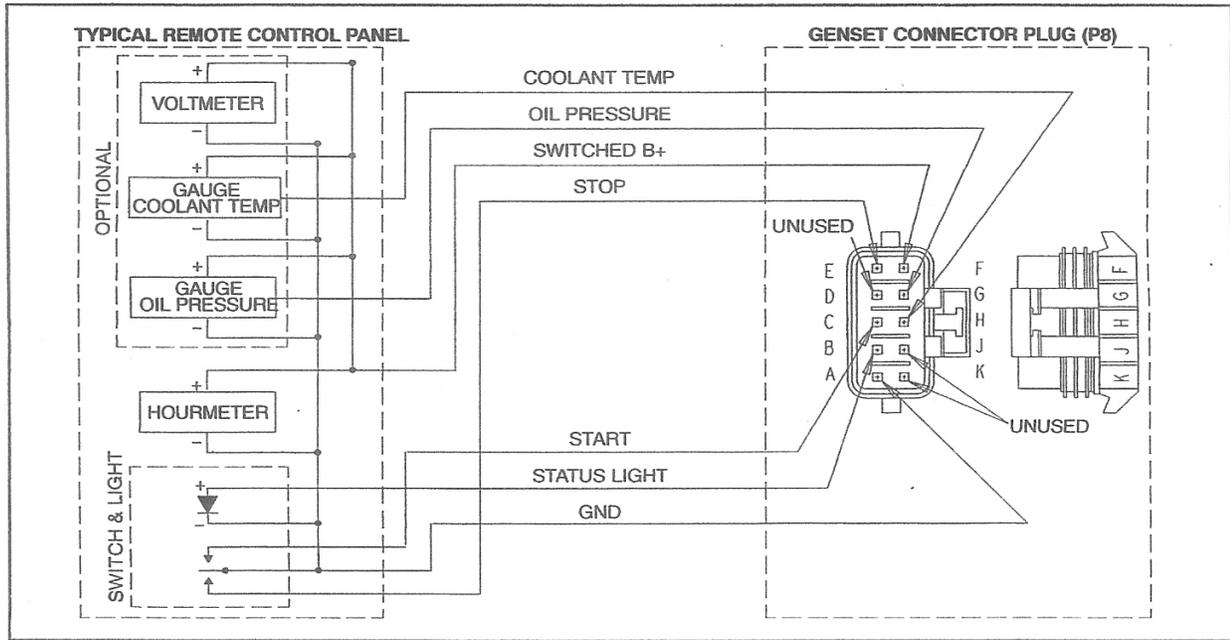


FIGURE 15. REMOTE CONTROL CONNECTOR PLUG AND TYPICAL CONNECTIONS

Figure 1.

Typical Onan diesel generator remote control wiring connections.

**Warning:** the figure shown above is typical for many Onan generators. It is imperative that the installer confirm that the specific generator, for vehicle involved in the installation, has the same wiring scheme. Failure to confirm the wiring could result in damage to the generator control system.

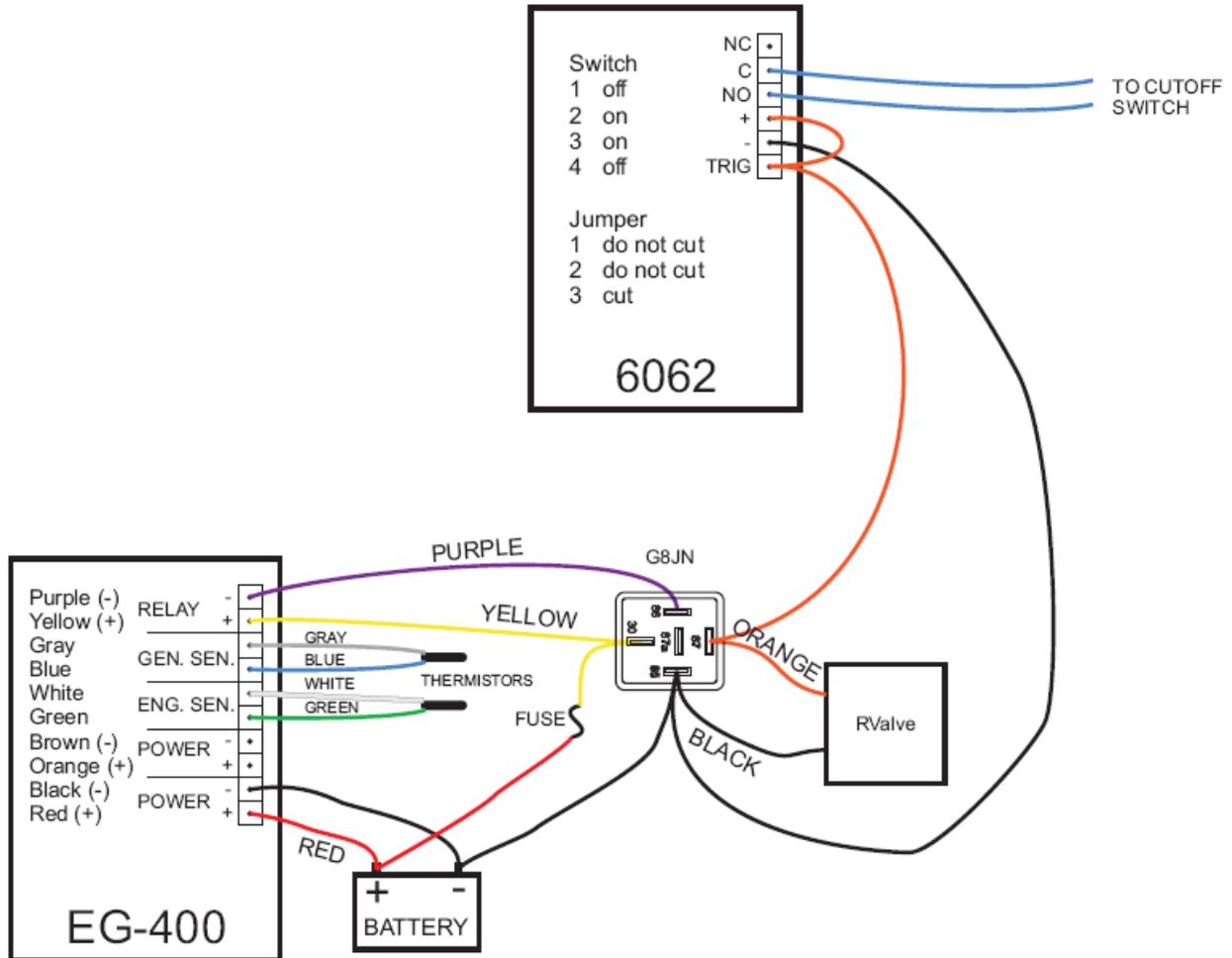


Figure 2

### Wiring of the 6062 Module

Figure 2 shows the wiring diagram for the 6062 module. The leads labeled “to cutoff switch” will typically be connected to the “stop” and ground leads of the remote switch wire loom (discussed in this manual). The leads from the 6062 module are a switch function only and do not furnish power to a device.