

Safe T Alert Detector & Alarm



Tiffin installed the standard Safe T Alert, RV Combination Carbon Monoxide and Gas Alarm in my 2007 Phaeton. The company builds four versions of this unit.

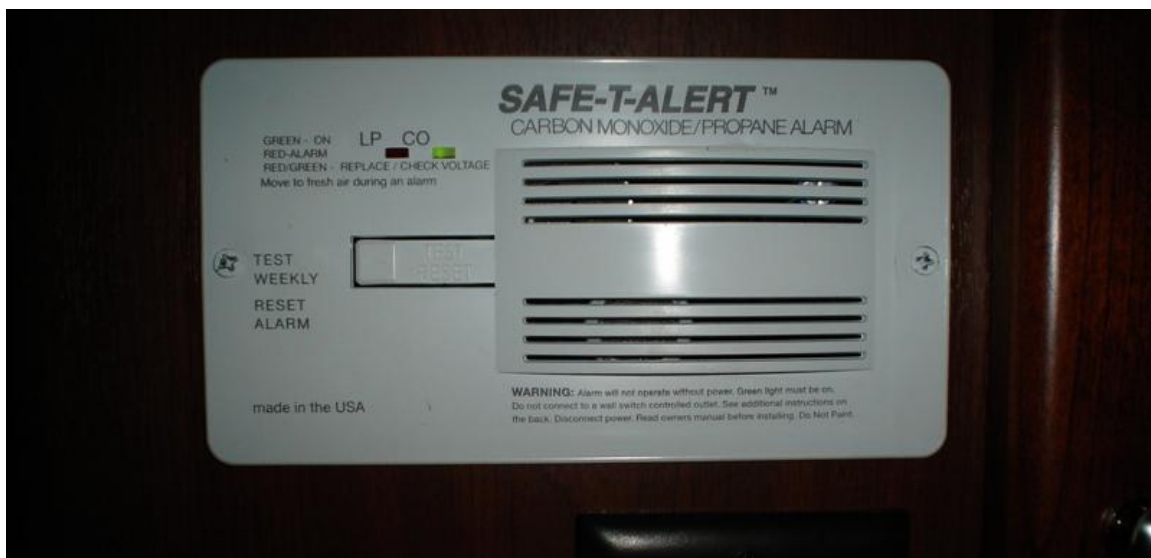
(1) The standard model 70-742, this unit has the capability to detect Carbon Monoxide (CO) and explosive gases Propane (LPG) and Methane (Natural Gas). To prevent false alarms from brief "puffs" of gas the detector has a recheck cycle before alarming. If high levels of gas remain during the recheck cycle, the detector will alarm.

(2) The Multi-Station model 70-742-MS has the same capabilities as the standard model plus multiple units can be wired in a daisy chain to ALL alarm when any one detects carbon monoxide or gas.

(3) The Relay model 70-742-R has the same capabilities as the standard model plus the relay can be wired to a LP gas solenoid to turn OFF the LP supply to the appliances when in alarm.

(4) The Relay and Multi-Station model 70-742-R-MS has the capabilities of ALL of the above models.

This is a picture of my standard 70-742 (two-wire) model. I expect unless the RV owner has replaced the Tiffin installed unit the below unit is what your coach had installed at the factory.



I had planned to install a switch controlled LP gas solenoid that has the ability to control the LP gas to the RV appliances by either one of two

methods. Method 1 would have turned off the gas solenoid when the Safe T Alert went into alarm mode. Method 2 would turn OFF the gas solenoid by the driver turning OFF a lighted switch located near the driver.

Method 1 cannot be implemented without replacing the standard 70-742 Safe T Alert this standard model installed by Tiffin does not have the relay and wiring necessary to provide the capability of turning OFF a LP gas solenoid.

There for I am planning on implementing Method 2, installing a LP gas solenoid between the tank regulator and the gas supply line to the appliances and installing a lighted switch near the driver.



The above RV gas solenoid can be purchased from Pacific RV Parts by pasting the below link in your web browser.

<http://www.pacificrvparts.com/ProductDetail.asp?CID=281&DID=93&PID=22454&SID=32>

The RV LPG Solenoid Shutoff Valve # 7718 price is \$ 52.90 the shipping costs are \$ 12.66 for UPS residential shipping, making the total bill \$ 65.56.

I already have a lighted switch so other then the cost for the wiring to provide 12 volts between the house batteries, lighted switch, gas solenoid and chassis ground and maybe a brass fitting or two for the solenoid. So when the gas solenoid arrives I'll be ready for my next coach modification.

Written on 12/1/2010 by **TAB**