

## Category: Thermosystems

Document Number: PI007RC

Date Posted: 10/27/2010 Rev. 2/3/2011

Description: NOI "WHITE" TIMER INSTALLATION / OPERATION INSTRUCTIONS

### Overview

The NOI "White" timer is a 7-day **No Operator Interface** timer. This means you can set this timer to specific needs and the timer will do the rest. This timer has battery backup and will hold its memory if the vehicle battery is disconnected and will recharge when 12 volt power is restored.

### Installation

The timer should be installed in an area protected from the effects of weather and contamination. The timer can be surface mounted on the vehicle instrument panel or inside the circuit panel (Bus applications) or any place convenient and accessible.

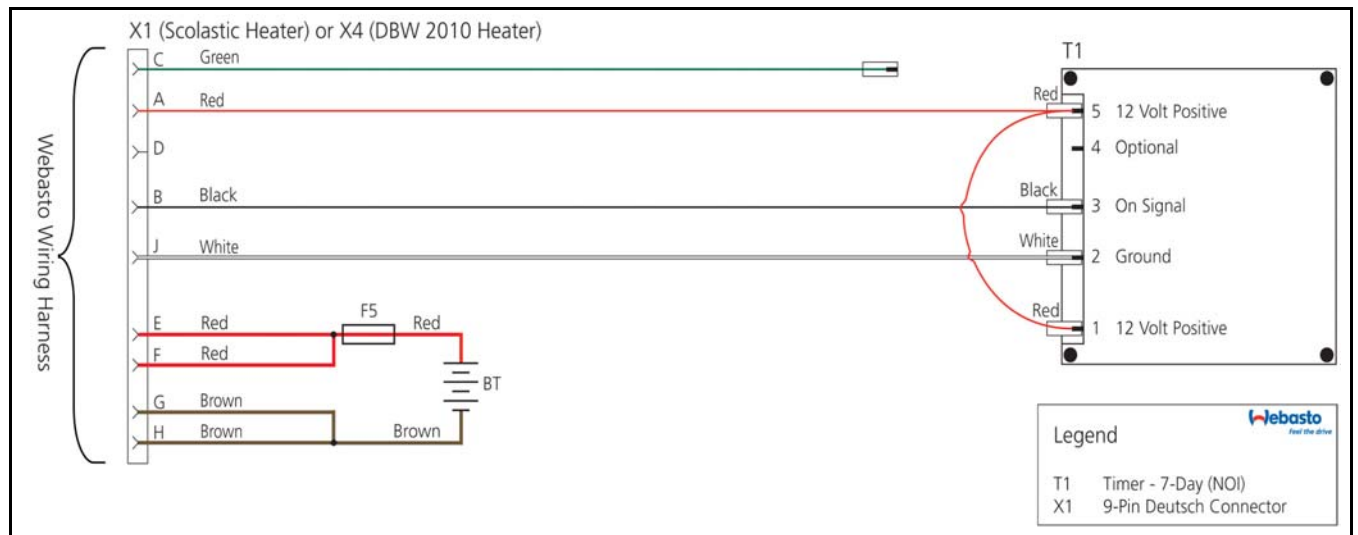
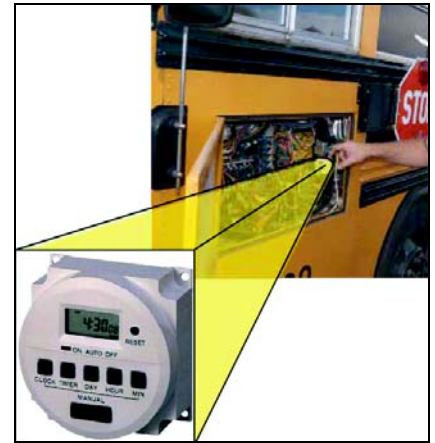
The timer can be mounted using customer/installer supplied Velcro tape by sticking one half of the Velcro to the timer and the other to a secure mounting location. The timer can be mounted with screws in place of Velcro.

Connect the Webasto heater switching harness to the timer. Refer to the wiring diagram below for directions.

After all connections are made, mount the new timer. Using customer/installer supplied Velcro tape or screws.

Optionally, an On/Off toggle switch can be installed with the timer. The timer will work without using the toggle switch however, it's a nice option to have.

To mount the toggle switch, locate an appropriate mounting location and drill a 1/2" mounting hole. Refer to the wiring diagram on next page to, connect the appropriate wires to the toggle switch.



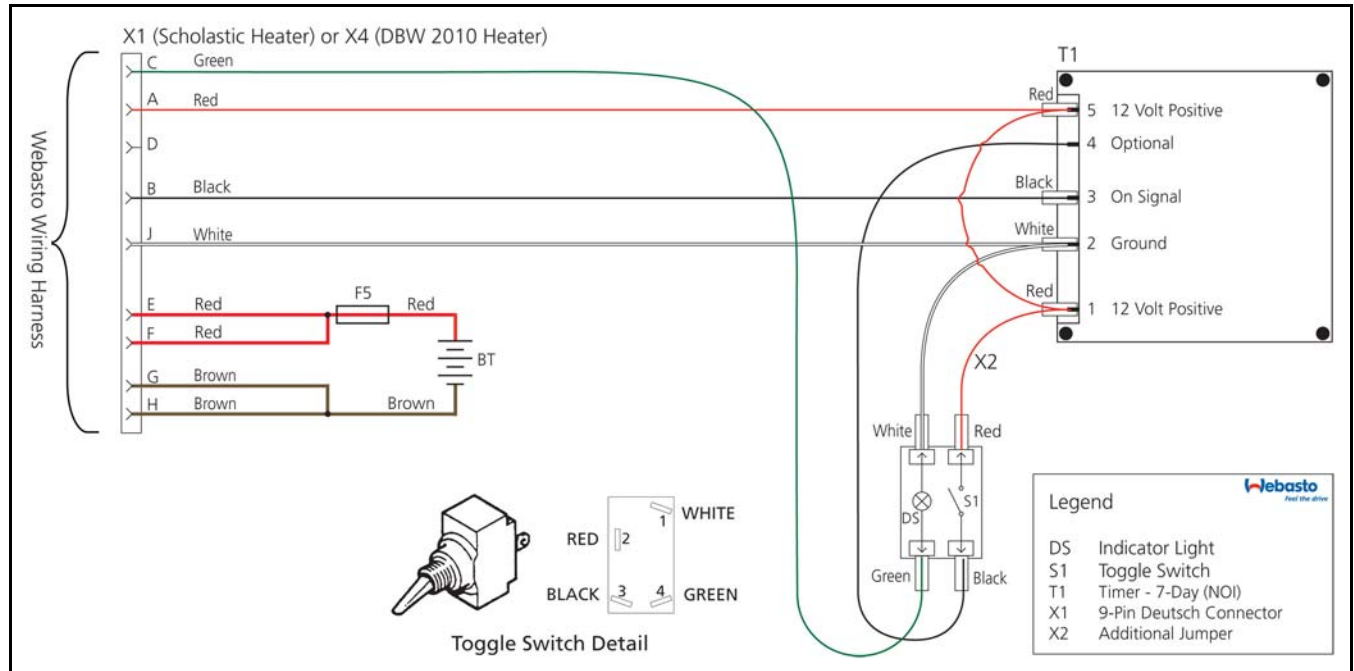
Wiring diagram - NOI (No Operator Interface) Timer

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Wiring diagram - NOI Timer with optional Toggle Switch

### Setting the Timer

The timer is a 7-day NOI (no operator interface) timer. This means you can set this timer to specific needs and the timer will do the rest. This timer has battery backup and will hold its memory if the vehicle battery is disconnected and will recharge when 12 volt power is restored.

#### To set the timer clock:

Press and hold the "Clock" button and by pressing the "Hour" and "Min." buttons set the clock appropriately. In the upper left corner you will see the "AM" or "PM" sign.

#### Setting the timer On/Off functions:

Press the "Timer" button one time. You will see the screen now reads "1" "On" using the day button select the appropriate day or days. Look in the upper left hand corner for the "AM" or "PM" sign. Using the day button you can select one or multiple days. After you have selected the proper day/days and set the appropriate on time, push the "Timer" button once again. You should now see "1" "Off" using the day button select the appropriate days again.

#### BE SURE THE DAYS SELECTED MATCH THE SAME DAYS YOU SELECTED FOR TIMER "1" "ON".

Now set the timer to the appropriate "Off" time. After you have set the timer functions needed, push the "Clock" this will save your settings and return to the clock.

These steps can be repeated 6 more times giving you multiple on and off settings. It is very important that you set this timer to the specific needs of each vehicle to optimize the heaters efficiency.

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### Operation in manual mode:

The largest button on the timer is the "Manual" button. At the bottom of the "LCD" screen you will see a small line that moves as you push this button. Underneath the small line you will see the corresponding function "On" "Auto" "Off". The manual button can be used as a toggle switch to operate the heater or after you have programmed the timer for automatic service, push the manual button until the line is over "auto" on the timer. The timer will now turn the heater on and off at the times preset earlier.

#### NOTE:

*The toggle switch will illuminate green when the heater has an "On" signal. If the toggle switch is in the "Off" position and the timer has turned the heater on, the toggle will illuminate green. This is an easy way to identify the heater is in operation. While the timer is "On" the toggle switch will NOT operate the heater. The toggle switch is a master switch whenever the timer is not in operation.*

### Safety Precautions:

- The heater must be switched off at filling stations and tank farms as a result of the risk of explosion.
- The heater may not be operated in enclosed spaces (such as garages) as a result of the risk of poisoning and asphyxiation, even if a timer is used.
- Wherever inflammable vapors or dust may form (for example in the vicinity of fuel, carbon, wood dust or cereal stores or the like), the heater must be switched off as a result of the risk of explosion.



*As with other devices whose activation is automated, if a particular application presents a risk should the heater be automatically activated, and such a vehicle or application is equipped with a "power cut off" type switch which prevents devices from activating automatically, then this timer/heater should be wired into this "power cut off circuit" to ensure automated activation of the heater does not occur.*