Setting Time and Weekday

Timer is programmed.

The heater will not function until the
selected time has been reached. The
select time will begin to flash when
the timer is in standby mode.

1. Press the [Set] button to enter
the timer settings.
2. Press the [Weekday] button to
select the day of the week.
3. Press the [Time] button to
select the time.
4. Press the [Start] button to
begin the timer.

Timer Programming

- Timer is programmed by pressing the
  [Start] button.
- Time is entered by pressing the
  [Time] button.
- Day is selected by pressing the
  [Weekday] button.
- Timer is set by pressing the
  [Set] button.
- Timer is begun by pressing the
  [Start] button.

7 Day Timer with Diagnostics
Installation & Operating Instructions

Timer only
P/N 22 1000 30 36 00 (coolant heater 12/24 volt)
P/N 22 1000 30 40 00 (air heater 12/24 volt)

Timers with adaptor but no relay
P/N CA1 00 200 (coolant heater 12V)
P/N CA1 00 201 (coolant heater 24V)
P/N CA1 00 210 (air heater 12V)
P/N CA1 00 211 (air heater 24V)

Espar Products, Inc.
6435 Kestrel Road
Mississauga, Ontario
Canada L5T 1Z8

Canada (Tel): 905-670-0960
800-668-5676
Fax: 905-670-0728
U.S. (Tel): 800-387-4800

www.espar.com
inquiries@espar.com

Note: When the timer is in standby mode, the time displays.

- Timer is started by pressing the
  [Start] button.
- Time is set by pressing the
  [Time] button.
- Day is selected by pressing the
  [Weekday] button.
- Timer is programmed by pressing the
  [Set] button.

Member of Eberspächer Group of Companies
**Operating Instructions**

**Changing the Time or Day**

Push and hold button until the time display begins to flash. Continue to set the time as listed in setting time and weekday.

**Using the Timer with the Vehicle Ignition “Off”**

Push button. will appear on the display as well as the operation countdown timer. The running time is factory set to a maximum of 120 minutes. This running time can be reset once or permanently as desired.

**Adjusting Preheat Time Once**

Press button.

The will appear in the display and the preselected run time will appear in the display (maximum time of 120 minutes). Use the or to adjust the desired run time.

**Adjusting the Heater Preheat Time Permanently**

(Maximum Preheat Time of 120 minutes)

Push and hold (about 3 seconds) until the display lights up and flashes. Release button.

Use or to set the new fixed preheat time.

When the display goes off the new preheat time is set.

**Note:** At the end of a preheat cycle the timer will turn the heater off. The heater will complete a cool down cycle and turn itself off.

**Using the Heater Manually with the Vehicle Accessory “On”**

Push button.

The symbol will appear in the display next to the time of day. The time of day will remain displayed during ignition on operation. The heater will function continually as long as the vehicle ignition is “on”.

When the vehicle ignition is turned “off” the heater will continue to operate for an additional 15 minutes.

The run time can be altered by pressing the or buttons.

The heater can be turned off by pressing button.

**Set Preheat Times into Memory**

Press button until the desired memory location is shown in the display (Three memory locations are available).

Using the or buttons set the desired preheat start time of day.

When the time stops flashing the time of day is set.

Using the or buttons set the desired day of the week.

When the day of the week stops flashing the day is set.

**Coolant Heater Timer Connections**

- a) Power from battery “+”
- b) Switch control to heater
- c) Power from battery “−”
- d) Diagnostics from heater
- e) To vehicle dimmer switch for light display
- f) To vehicle ignition accessories for continuous operation of heater

**Air Heater Timer Connections**

- a) Power from battery “+”
- b) Switch control to heater
- c) Power from battery “−”
- d) Diagnostics from heater
- e) Temperature setting “+”
- f) Temperature setting “−”
- g) To vehicle dimmer switch for light display
- h) To vehicle ignition accessories for continuous operation of heater