OPERATING INSTRUCTIONS
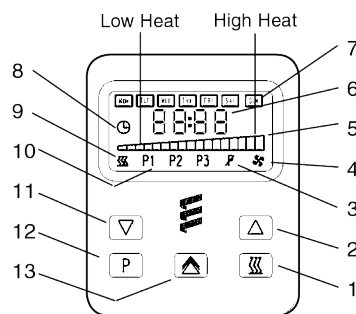## 701 10 Series Digital Timer

KRUEGER LIMITED

Part Number: 701 10 007
For use with Eberspächer water heaters with diagnostic readout display and battery backup

Low Heat   High Heat

1. Instant Heat ON/OFF key
2. Adjustment Up key
3. Disengaged pre-set symbol
4. Ventilation symbol
5. Temperature ramp. N/A
6. Current Time, Preset Time, Heating Time, Run Time and Diagnostics.
7. Day selected indicator boxes.
8. Clock symbol.
9. Heater operation symbol.
10. Preset Programme symbols.
11. Adjustment Down key.
12. Programme key.
13. Set/Programme key.

Please Note: The temperature ramp (Item 5) has no effect on heater operation or control of the vehicle blower for speed or temperature control.

INTRODUCTION

Your Timer/Modulator offers manual and programmable control. When the heater is switched on by the Timer/Modulator in a programmed mode it will run for 1 hour or for the duration time that you have selected e.g Heater on at 0700, duration time of 1 hour, which means heater will be switched off automatically at 0800.

CLOCK SETTINGS

Press and hold key until the symbol begins to flash. Use the and keys to set correct time. Press and release the key and the day box will begin to flash. Use the and keys to set the correct day. Press and release the key again to reset the clock to the start of the minute displayed. This may be used to coincide with a known time signal.

Please Note: These adjustments are not possible when the heater is in operation. To set the heater's programmable switch on timer, see "Setting Program Times".

SWITCHING ON THE HEATER (MANUALLY)

Press the key and the symbol will appear on the display. The heater will commence its startup cycle. The display will change to show a default of one hour heating countdown time. This can be extended in increments of 10 minutes, 30 minutes, 1 hour, 1 hour 30 minutes, 2 hours up to eight hours or to continuous running operation (shown as C-: -- on display) by repeatedly pressing the key while the heater is in operation. Current time will be displayed every 5 seconds.

SWITCHING OFF THE HEATER (MANUALLY)

The heater may be switched off at any time by pressing the key. The cooling down cycle will then be initiated.

DIAGNOSTIC READOUT (OPTIONAL)

With the heater switched on, press and hold the key until the display shows "dAtA". Release key and display then shows "AF--" and alternatively displays the current fault code. Each press of the key will scroll through the last 5 previously stored fault codes.

TYPICAL FAULT CODES -

10 = Over voltage
Check battery charging system

11 = Under voltage
Check battery voltage

12 = Overheating

52 = Safety time exceeded
Check fuel supply

For other codes consult your local dealer.

Please Note: The temperature ramp (Item 5) has no effect on heater operation or control of the vehicle blower for speed or temperature control.

Press and keys together to erase stored faults and display shows "EEEE".