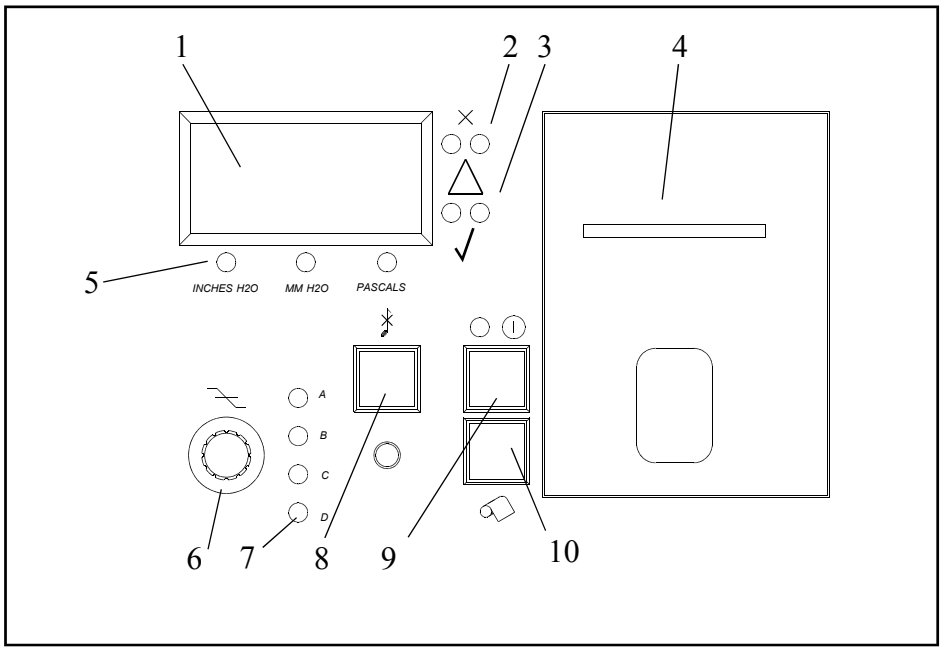
PROGRAMMING GUIDE

ALERT CM-3



Key to the Controls

1) Display showing Pressure

2) Dual red ALARM Indicators

3) Dual green NORMAL Indicators

4) Printer Compartment Door

5) Units of Pressure Indicators

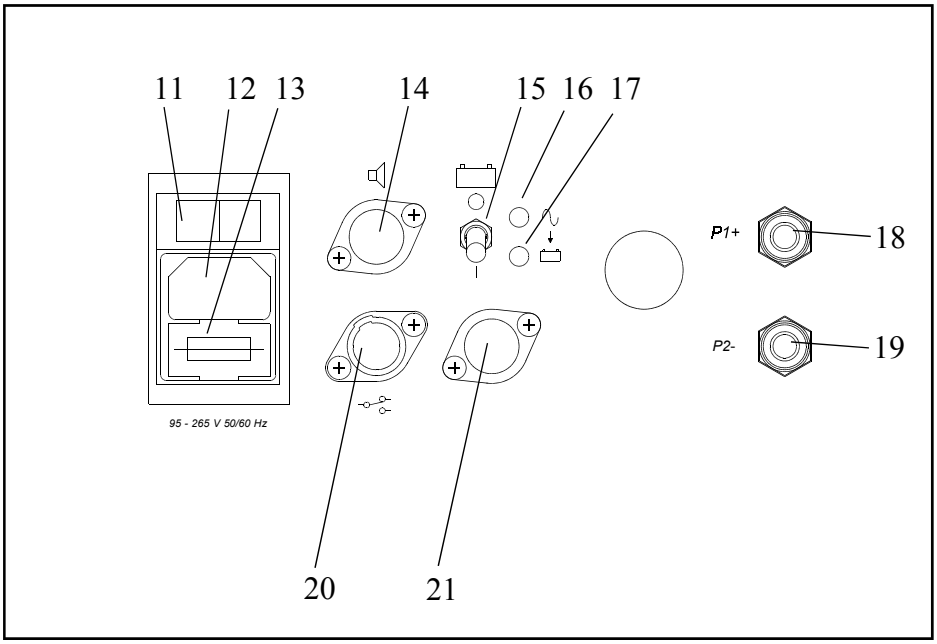
6) Preset Alarm Level Selector Switch

7) Preset Alarm Level Selection Indicator

8) Audible Alarm Silence Pushbutton - becomes ENTER

9) Printer ON/OFF Pushbutton and Indicator - becomes INCREASE.

10) Printer paper feed Pushbutton - becomes DECREASE



Key to the Connections

11) Mains supply ON/OFF switch

12) Mains supply inlet

13) Mains supply fuse drawer

14) Remote Klaxon connection socket

15) Battery backup ON/OFF switch (If fitted)

16) Mains supply HEALTHY Indicator

17) Battery charging indicator

18) Positive Pressure pipe connector

19) Negative Pressure pipe connector

20) Power Switching Unit connection socket

21) Auxiliary Function connection socket

Operating Instructions

Getting Started

For details of the operation and use of the CM-3 please refer to the USER GUIDE.

Many features on the Alert CM-3 are programmable and can be changed by the user. The programmable features include:

Programming

The programming is carried out in a logical sequence using the pushbuttons to enter or modify settings, the display to show the current settings and the printer to prompt the user and print out the results.

The programming sequence is

1) Set Minutes.

2) Set Hours

3) Set Day

4) Set Month

5) Set Year

6) Set Units - Inches of water, Millimetres of water or Pascals

7) Set Power Switching Unit output operation - Operate on High Alarm only, Low Alarm only or both

8) Set Power Switching Unit Delay Time - Time between an alarm occuring and the PSU operating.

A) Set High Alarm A - Set Low Alarm A

B) Set High Alarm B - Set Low Alarm B

C) Set High Alarm C - Set Low Alarm C

D) Set High Alarm D - Set Low Alarm D

The Programming mode is entered by switching on the unit while the Printer ON/OFF pushbutton is held pressed. When the programming is complete the unit is switched Off.

The Pushbuttons and the display adopt different functions when in the programming mode. The new functions are

Printer ON/OFF pushbutton (9) becomes INCREASE VALUE pushbutton.

Paper feed pushbutton (10) becomes DECREASE VALUE pushbutton.

Silence Alarm pushbutton (8) becomes ENTER VALUE pushbutton
The first digit of the display shows the stage of the programming sequence as the numbers 1 - 8 and A - D as shown above. The last two digits become the value being programmed. The INCREASE and DECREASE pushbuttons are used to modify this value and the ENTER pushbutton enters the value into the units memory. If the value being displayed does not need to be changed simply press ENTER to move to the next stage. You can leave the programming mode at any time by simply switching the unit off.

Programming Sequence

Switch the unit off using the Mains supply ON/OFF switch (11) then switch back on again while holding the Printer ON/OFF pushbutton depressed. The unit will be in the programming mode and the display will show SET. Press the ENTER pushbutton (8) to continue.

Step 1

The printer will prompt SET MINUTES. The first digit of the display will show 1 (to show you are on step 1 of the process) and the last two digits will show the current setting for minutes. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value.

Step 2

The printer will prompt SET HOURS. The first digit of the display will show 2 (to show you are on step 2

of the process) and the last two digits will show the current setting for hours. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the hours and minutes entered in the last two steps.

Step 3

The printer will prompt SET DATE. The first digit of the display will show 3 (to show you are on step 3 of the process) and the last two digits will show the current setting for the date. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value.

Step 4

The printer will prompt SET MONTH. The first digit of the display will show 4 (to show you are on step 4 of the process) and the last two digits will show the current setting for the month. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value.

Step 5

The printer will prompt SET YEAR. The first digit of the display will show 5 (to show you are on step 5 of the process) and the last two digits will show the current setting for the year. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the date in the format DD.MM.YYYY as entered in the last three steps.

Step 6

The printer will prompt SET UNITS. The first digit of the display will show 6 (to show you are on step 6 of the process) and the last two digits will show 01, 02 or 03. Setting 01 is Pascals, setting 02 is millimetres of water and setting 03 is inches of water. The appropriate indication LED (5) will show the current setting for the units of pressure. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the units of pressure selected.

Step 7

The printer will prompt SET RELAY OP. The first digit of the display will show 7 (to show you are on step 7 of the process) and the last two digits will show 01, 02 or 03. Setting 01 is Relay operation on Low alarm, setting 02 is Relay operation on High alarm and setting 03 is relay operation on both low and high alarm. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the relay mode selected.

Step 8

The printer will prompt SET ALARM DELAY. The first digit of the display will show 8 (to show you are on step 8 of the process) and the last two digits will show the current setting for the time delay in seconds. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the time delay entered.

Step A

The printer will prompt SET LO ALARM A. The first digit of the display will show A (to show you are setting alarm A) and the last two digits will show the current setting for the low alarm in the units selected earlier. The Alarm LEDs (See Fig 1 Item 3) will pulse slowly to confirm the low alarm is being set. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value.

The printer will prompt SET HI ALARM A. The first digit of the display will show A (to show you are setting alarm A) and the last two digits will show the current setting for the high alarm in the units selected earlier. The Alarm LEDs (See Fig 1 Item 3) will pulse quickly to confirm the high alarm is being set. Press the INCREASE or DECREASE pushbuttons to change the value. Press ENTER to accept the value. The printer will print a confirmation of the high and low settings for alarm A.

Steps B C and D

Continue to set for alarms B, C and D in the same way as step A above.

Finally switching the unit OFF will exit the programming mode.