GARDINER TECHNOLOGY

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Gardtec *582*

Supplementary Installation Instructions

Introduction

The Gardtec *582* compliments the Gardtec *500 Series* of control panels. The metal enclosed control panel offers seven programmable zones with an extra entry exit zone available from a remote keypad. Direct serial connection to the ProDigi range of communicators is provided. Four other communicator outputs along with Linefault input are also available for connection to non-Gardiner Technology communicators

Two zones may, if required be programmed as inertia zones. Both the pulse count and gross attack feature of the inertia zones are fully programmable. The Linefault input also doubles as a remote reset terminal that may be used in connection with the remote reset feature of most RedCare communicators.

Fuses

Two fuses are fitted to the main PCB (see Fig 1.) these are:-

F1   Bell/Aux   1Amp Q/B
F2   Gard (Communicator/Keypads)   250mA Q/B

RV1 SPKR ADJ

The volume of the low panel tones (E/E tones, Keypad blip, Chime tones) may be adjusted via RV1.
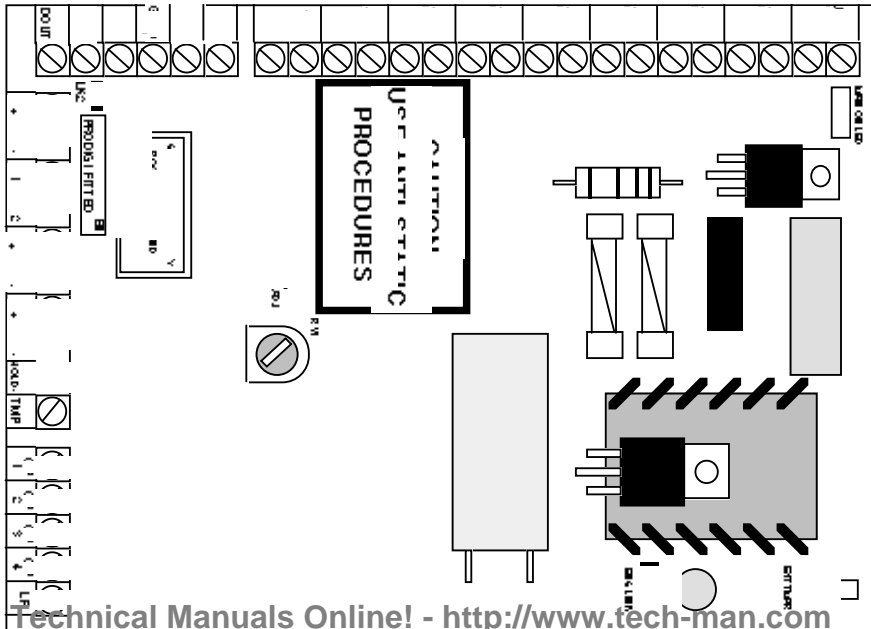
OP1 to OP4

Outputs OP1 to OP4 are communicator outputs for non-Gardiner Technology communicators capable of sinking 50mA. Each output has a 10K integral pull-up resistor the outputs are:-

OP1 = Fire   OP3 = Alarm
OP2 = PA   OP4 = Open/Close

Note: LK2 must be removed if a ProDigi is fitted
FIG 1 GARDTEC *582* PCB Layout

Advanced Programmable Features

The Gardtec *582* control panel has several advanced programmable features. The Gardtec *580* installation manual should be followed for the installation and programming of the standard features, whilst this sheet should be followed for programming the advanced features

Keyswitch Option for Zone 5

Zone five may now be used as a keyswitch input for setting and unsetting of the system. To program zone 5 as a keyswitch input proceed as follows:-

1)   Enter into engineer mode

2)   With the display showing 'E-' enter 5 then YES.

3)   The display will show the current setting for zone 5

4)   Press NO the display will show ' - - ' Enter 90 followed by YES

5)   The display will show 'E-' Press 0 twice to return to the unset condition.

To use the keyswitch zone, connect the keyswitch across zone 5.

To Set Using a Keyswitch

Momentarily open the keyswitch (minimum 3 secs) and the system will start to set.

To Unset Using a Keyswitch

Momentarily open the keyswitch (minimum 3 secs) and the system will unset.

Alarm B, Alarm Abort & Strobe Setting Conformation Option 23

If required alarm B may be transmitted on the Digi Channel 1. Alarm B is the activation of a second detector within 2 hours of the first. **It should be noted that if the Gardiner Technology ProDigi is used in preference to the Digigard communicator channel 1 may be re-mapped to either channel 5, 6, 7 or 8.**

The Alarm Abort feature will send an Alarm Abort signal via the Digi (Channel 1) when the system is unset within 90 seconds of an alarm occurring.

Strobe setting conformation may also be programmed via option 23, with setting conformation programmed the strobe output will be active for seven seconds as the system finally sets.

Whilst programming option 23 the left hand digit controls the alarm B option whilst the right hand digit controls the setting conformation.

To program the options proceed as follows:-
1)   Enter into engineer mode

2)   With the display showing 'E-' enter 23 followed by YES.

3)   The display will show the current setting for option 23

4)   Press NO the display will show ' - - ' Enter the required digits from the list below followed by YES

Left Digit Alarm B Alarm Abort	Right Digit Setting Conformation
0 = Off 1 = Alarm B 2 = Alarm Abort	0 = Off 1 = Any Set 2 = Full Set Only

5)   The display will show 'E-' Press 0 twice to return to the unset condition.

Immediate Digi Restore Option 24

The immediate restore option will restore the digi channel as soon as the system is unset. **It should be noted that this restore will only effect the Digi channel. The panel will still need resetting in the usual manner.**

Whilst programming option 24 the right hand digit controls the immediate restore.

To program these options proceed as follows:-

1)   Enter into engineer mode

2)   With the display showing 'E-' enter 24 followed by YES.

3)   The display will show the current setting for option 24

4)   Press NO the display will show ' - - ' Enter the required digits from the list below followed by YES

Left Digit	Right Digit Immediate restore
Always 0	0 = Off 1 = On

5)   The display will show 'E-' Press 0 twice to return to the unset condition.

Remote Reset Option 25

This option allows for remote reset of the control panel via a RedCare STU. When a positive signal is applied to the terminal the control panel will reset overriding the reset mode selected.

Left Digit	Right Digit Remote Reset
Always 0	0 = Off 1 = On

Zones 1 & 2 Inertia Zones Option 26

This option allows zones 1 & 2 to be programmed as Inertia zones the left digit controls the pulse count whilst the right digit controls the gross attack level.

To program the options proceed as follows:-
1)   Enter into engineer mode

2)   With the display showing 'E-' enter 26 followed by YES.

3)   The display will show the current setting for option 26

4)   Press NO the display will show ' - - ' Enter the required digits from the list below followed by YES

Left Digit Pulse Count	Right Digit Gross Attack
0 - 9	0 - 9

5)   The display will show 'E-' To turn zone 1 inertia on enter 1 followed by YES

6)   The display will show the current settings for zone 1

7)   Press NO the display will show ' _ _' Enter 90 followed by YES

8)   The display will show 'E-' To turn zone 2 inertia on enter 2 followed by YES

9)   Press NO the display will show ' _ _' Enter 90 followed by YES

10)   The display will show 'E-' Press 0 twice to return to the unset condition.