

# Challenger Version 8

## Enable/Disable Service Tech. AN19

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This document provides details of the programming requirements for a facility whereby a Service Technician has a PIN code/card that will provide the system functions that they require. This Technicians code/card is only valid when enabled by a User with the appropriate authority. (via "Enable/Disable Service Tech", in the User Menu). Once enabled, the Technicians code/card will remain valid until Disabled by a User with the appropriate authority, OR the programmable "Service Time" expires.

Enabling the Service Technician activates a special Timezone; Timezone 25. Timezone 25 is used to enable the technicians code/card and can also be used to enable or disable any other system functions or relays, etc. that are required while the Service Technician is in attendance.

A programming flow chart is provided at the end of this document for quick reference.

### Accessing the Install Menu:

To display menu option 19 (Install Menu) in the User menu, the alarm group of the user code must allow it. The Master Installer is User Number 50. The default master PIN code (User 50) = 4346. The master PIN code should be changed. The Alarm Group assigned to User 50 should never be changed.

The Installer menu is accessed via the User menu and is User menu option 19.

The system must be disarmed before it is possible to use the Installer Menu.

To disarm the system:

**4 3 4 6** (Master PIN code) **<OFF>** then **0** (Select all areas) **<ENTER>**

To access the Install Menu:

**<MENU>** **4 3 4 6** (Master PIN code) **<ENTER>** Accesses User Menu.  
then **1 9** **<ENTER>** Selects Install Menu

### **1. Determine the requirements for the Service Technician and fill out the appropriate programming sheets.**

Blank programming sheets are found at the rear of the Version 8 Programming guide.

For this application you will need to consider the following Installer Menu databases.

- 3. Arming Stations
- 5. Alarm Groups
- 6. Timers
- 10. Text Words
- 16. Map Relays

plus 14) Users (USER MENU Option 14)

## 2. Program a TEXT WORD if required for the Service Technician's alarm group name if not already provided in the word library.

Up to 100 custom words can be added to the library.

TEXT WORDS are programmed in Installer Menu Option 10: - Text Words.

From the Install Menu select Option 10.

Use <\*> to scroll through the list of programmable words.

Select a word number to program or change.

## 3. Program the ALARM GROUP required for the Service Technician in your system.

**You will also need to ensure that Users who are to have the authority to Enable & Disable the Service Tech; and any Arming Stations where the Enable/Disable function is to be performed, must have User Menu Option 17 enabled in their Alarm Groups.**

The Alarm Group defines the area/s, Alarm control functions and User menu options available to the Service Technician.

ALARM GROUPS are programmed in Installer Menu Option 5.

From the Install Menu select Option 5.

Select an Alarm Group number to program.

Alarm Groups 30 to 138 have no default programming and are intended to be programmed according to the system requirements.

Select an Alarm Group to program.

?? (Alarm Group number) <ENTER>

Program an appropriate name for the Alarm Group

Enter a text word number from the word library

Specify the Area/s assigned to this Alarm Group.

Enter the area number/s required

Specify that the Alarm Group is going to be assigned to Users.

Set to YES

Specify the Alarm System Control functions and features that this Alarm Group will allow (Arm, Disarm, Reset etc.)

Set options to YES or NO as required

Alarm System Control

Prompt With List of Areas

Can User Activate Keyboard Duress

Reset System Alarms

Disable Auto De-isolate

Arm & Reset Only

Disarm Only

Alarm Reset Only

Auto Isolate Unsealed Inputs

Forced Arming When Unsealed Inputs

Prevent Forced Disarming

User Categories

(See AN16-The Timed Disarm Functions for details on the programming of User Category functions)

Prevent Arming If Category Not Timing

(See AN16-The Timed Disarm Functions for details on the programming of User Category functions)

Specify the USER MENU OPTIONS that this Alarm Group will allow Access to.

For User Menu Options 1 to 24.

(See the Challenger Version 8 User Guide for specific details on these User Menu options)

An Alarm Group can be restricted to be valid only during a specific time period. To achieve this a TIMEZONE is assigned to the Alarm Group.

If a Timezone restriction has been specified for an Alarm Group, you may assign an ALTERNATE ALARM GROUP that will take effect when the Timezone on this Alarm Group is not valid.

**4. Ensure that LCD ARMING STATIONS where the Enable/Disable function is to be performed, have an appropriate Alarm Group assigned to allow the function.**

Specify the details for each RAS to be polled.

Program the relevant options for each Arming Station. Options not relevant are not described here and should be disregarded at this stage.

Area Alarm Group

The Area Alarm Group defines the area/s, alarm control and user menu options available at this arming station.

Menu Alarm Group

Specifies user menu options available if requirements are different from those specified in the area alarm group.

Set YES or NO for each option in the list as required.

**The Service Technician must NOT be allowed access to User Menu Option 17 (Enable/Disable Service Tech).**

Enter **Timezone number 25** to ensure that the Service Technician is only enabled when authorised.

"No Timezone" specifies the Alarm Group is ALWAYS valid.

Alternate Alarm Group is NOT usually used on the Service Technician's Alarm Group.

Enter an alternate Alarm Group Number if required  
You must then program the alternate Alarm Group to specify the new Area/s, functions, options etc. that will be relevant.

ARMING STATIONS are programmed in Installer Menu Option 3.

From the Install Menu select Option 3.

Select the RAS to be programmed.

Assign an appropriate alarm group from the factory defaults or the alarm groups you have programmed specially for the system.

Assign an appropriate alarm group as required

## 5. Program the "Service Time" in the TIMERS menu option.

Service Time (minutes)  
Default setting is 60 minutes.

## 6. If any relay/s are required to be held active or inactive while the Service Tech is enabled, program the requirements in RELAY MAPPING.

Select the relay number to program.

Enter the "Event Flag" number that will normally control the relay.

If you require the relay to be held enabled or disabled for the "service time", assign the Timezone that will control the relay. (Timezone 25)

If a Timezone has been assigned, select whether the relay is to be held ACTIVE or INACTIVE during the timezone.

If the relay is required to operate in INVERTED mode.

TIMERS are programmed in Installer Menu Option 6.

From the Install Menu select Option 6.

Enter the service time period

RELAYS are programmed in Installer Menu Option 16: - Relay Mapping.

From the Install Menu select Option 16.

Enter the relay number to program

### RELAY NUMBERING

Challenger Panel	1 to 255
DGP 1 17-32	DGP 9 145-160
DGP 2 33-48	DGP 10 161-176
DGP 3 49-64	DGP 11 177-192
DGP 4 65-80	DGP 12 193-208
DGP 5 81-96	DGP 13 209-224
DGP 6 97-112	DGP 14 225-240
DGP 7 113-128	DGP 15 241-255
DGP 8 129-144	

Enter the "Event Flag" number

Enter a Timezone number if required  
Note that the timezone will override the event flag.

Select Active or Inactive

Select Inverted or Non-inverted

## 7. Program USERS:

### a) to create a Service Technician's code

**b) to ensure that any Users who are to perform the Enable/Disable Service Tech function will have an appropriate Alarm Group assigned to them.**

The client will normally have the authority to program users into their system.

This programming option may not need to be performed by the Installer except to ensure that a user is programmed into the system who has the necessary authority to program the remaining users.

It is important that the client is provided with details of the User's Alarm Groups and Door Groups to facilitate this.

Select the Option to CREATE a user

Select a USER NUMBER to program.

Note: User number 50 is the Master Installer Code. The PIN code for user 50 should be changed from the factory default of 4346, but no other parameter should be altered.

Assign an ALARM GROUP to the user to specify the area/s and functions allowed.

Assign a DOOR GROUP to the user to specify the door/s that the user may access. (If required)

Assign a FLOOR GROUP to the user to specify the floor/s that the user may access. (If required)

Program the USER NAME.

Note: Only possible for Users 1 to 200.

Program the User's PIN CODE.

Note: Only possible for Users 1 to 1000.

USERS are programmed in the User Menu Option 14.

From the User (Main) Menu select Option 14.

Space is provided at the rear of the User Guide for a summary of the User's Alarm Groups and the Door Groups that the client will use when adding and/or changing users in their system.

Select the CREATE option

Enter a User Number to program  
Only users 1 to 1000 can be PIN code users

Enter an Alarm Group Number if required

Enter a Door Group Number if required

Enter a Floor Group Number if required

Enter text for the User's name if required

Enter a PIN code of between 4 and 10 digits

## SUGGESTED PROGRAMMING SEQUENCE

