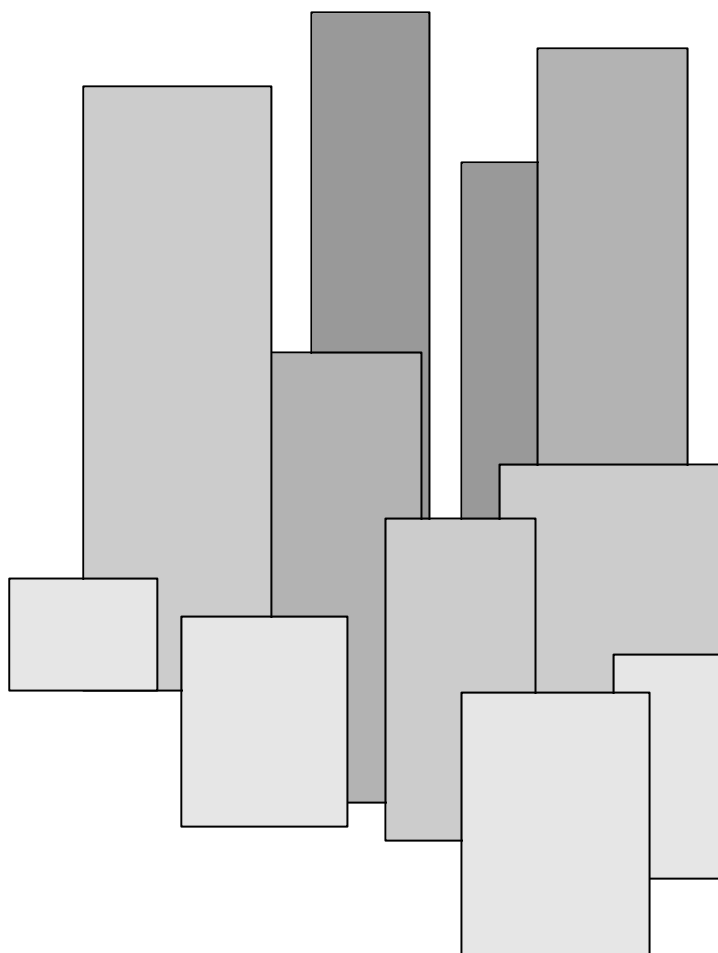


Issue I, Revision I: August 1998



The Challenger

Version 9 Supplementary Programming Guide



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This option in the Area Database menu is additional to the Version 8 menu options and only available when using a Version 9 Challenger system .

AREA GLOBAL

When an area has been set to 'YES' for Global, then when the area is armed, all the other corresponding areas on each respective V9 (Panel Link) Challenger will alarm arm. E.g. If this Challenger is Panel 2 and area 4 is set to Global 'YES', then when area 204 (Panel 2, Area 4) all panels will arm area 4.

Example of display:

No- Area Global (Panel Link)
* Change, 0 Skip

These options in the Arming Stations Database menu are additional to the Version 8 menu options and only available when using a Version 9 Challenger system. Restrict RAS To Local Challenger is not exclusive to Version 9.

RESTRICT RAS TO LOCAL CHALLENGER

YES - This arming station will be restricted in its features to the Challenger it is connected to.

NO - Features and events will be accessed.

Example of display:

No-Restricted To Local Challenger
*-Change 0 - Skip

CARD ARM AFTER 3 BADGES

YES - Allows badging the card 3 times to arm and once to disarm the area (ie. area assigned to the RAS alarm group). It is not advisable to assign multiple areas to a RAS alarm group. **

No - Card Arm After 3 Badges
* Change, 0 Skip

RESTRICT IF AREA SECURED

YES - Restricts access control when the area is assigned to an arming station that is armed. **

No - Restrict If Area Secured
* Change, 0 Skip

RESTRICT TO LOCAL CHALLENGER

YES - Restricts the RAS to enable alarm control functions on the Challenger that the RAS is connected to. Therefore, the user with access to other panels will have that access restricted to the panel local to the RAS.

No - Restricted to local Challenger
* Change, 0 Skip

CARD AND CODE

YES - Card and code will enable access to menu functions.

No- Card and Code
* Change, 0 Skip

** Following options need to be set:
1. Yes, toggle keyboard control.
2. Yes, card auto disarms.
3. Yes, card arm after three badges.

COMMUNICATION OPTIONS

9

Options 12 and 13 in the Format Selection of the Communications Options Database menu are additional to the Version 8 menu options and only available when using a Version 9 Challenger system.

FORMAT SELECTION

There are 11 reporting format options:

- 0 - Reporting Disabled
- 1 - High Speed Extended Dual Round
- 2 - High Speed Extended Checksummed
- 3 - Contact ID - Small
- 4 - Contact ID - Large
- 5 - Securitel Serial Data
- 6 - Securitel Pin
- 7 - Tecom Dialer V1
- 8 - Tecom Dialer V3 (NOT Currently Supported)
- 9 - Tecom Direct Line - Small
- 10 - Tecom Direct Line - Large
- 11 - EDL Direct Line (Only available in Special Version)
- 12 - Tecom DTMF Walk Tester
- 13 - Securitel Panel Link (Version 9 Only)

For Radio Communication Format see *Installer Menu Option 36*.

Example of display:

ADEMCO Contact ID - Large
Format No:

? Enter ~ Enter and display a new reporting format option.

and/or **Enter** ~ Save the displayed format type and move to the display for test calls.

This option is additional to the Version 8 menu option Version Number and is only available when using a Version 9 Challenger system.

VERSION NUMBER

This function is used to display which version of *The Challenger*, RAS or DGP software and which database revision are being used in the system.

Note: If updating to a later software version, the database revision of the new version must be the same as the database revision currently installed. If it is not, the panel will require a total re-programming after the new version is installed.
Version for RAS and DGP can only be viewed where firmware for RAS and DGP support this feature.

Example of display:

```
Version 1-Chall 2-RAS 3-DGP
0 - Exit, Menu -
```

(Indicates Version 8 Panel, Version 1.03 Software, Database Revision E)

Enter ~ Return to the Installer menu.

PollErrors is a standard feature of the Version 8 menu, however the V9 system has 2 additional selections which are specific to its operation.

POLL ERRORS

This function is used to indicate how many errors have been detected in communications between *The Challenger* and units connected to it.

Unit numbers are as follows:

RAS 1-16	Arming Stations 1 to 16
DGP 0	Panel Comms to Monitoring Station
DGP 1-15	Data Gathering Panels 1 to 15

Note: The error count for all units should be set to zero when the system is deemed to be error free after installation. If this is not done, errors which occurred during installation may distort any error count.

The maximum error count that can be recorded is 255.

Example of display:

1-Ras, 2-Dgp, 3-Clear All Counters, 4-PL,
5 Comms
0-Exit, Menu:

- 3 Enter** ~ Clear all counters.
- or **? Enter** ~ Enter the number of the unit type (Ras or Dgp) to be checked and move to the next display.
- or **Enter** ~ Return to the Installer menu.

If a unit type is selected ("Ras" or "Dgp") the display will show :

Ras 1, Poll Error Count Is 0
0-Exit, Ras No::

- or **? Enter** ~ Enter the number of the unit to be checked and display error count.
- or ***** ~ Scroll forward through the unit numbers and display error counts.
- or **Enter** ~ Return to the Unit type selection display.
- or **0 Enter** ~ Return to the Installer menu.

If the unit type 4 is selected the display will show: eg.

Panel Link Error (RHL): 0,0,0
*Update, Ent:

PANEL LINK ERROR

The error count for Panel Link (V9) is between 0 and 255. There are 3 different errors.

R - Receive Errors
H - Handover Errors
L - Lost Errors

DIAGNOSTIC FEATURE

This is a diagnostic feature, used for Tecom factory test.

If unit type 5 is selected the display will show: eg.

TSV3 Coms Err: 0,0,0,0
*Update, Ent:

The option, Security Attempts, is additional to the Version 8 Security Password menu and available only with Version 9 Challenger systems.

SECURITY PASSWORD

Records the 10 digit Security Password required to access the Challenger Panel via the Upload/Download PC software.

The PC can connect to the Challenger Panel via dial-up or direct connection to the computer interface. (If fitted to the Panel)

The default Password is 0000000000.
TS9000 software will always connect to a panel with the default password, but will update the password to the password programmed in the TS9000 software for the Challenger currently opened.

SECURITY ATTEMPTS

The number of attempts to enter a correct password can be set between 0 and 255.

If the number of attempts is set to 0, then the computer will never be able to connect to the Challenger. If the number of attempts is set to 3 and the computer has failed to connect 3 times to the Challenger, then it will never be able to connect up. To re-enable communication you will have to go into option 29 in the Installer Menu and exit.

Example of display:

Security Password 0000000000
Pass:

? Enter ~ Enter the new Security Password number and display the new number.

or **Enter** ~ Return to the Installer menu.

When this option is selected it will show:

Security Attempts= 255 Failed 0

PROGRAM SUMMARY EVENT FLAGS

34

The option, Panel Link Fail Event Flag, is additional to the Version 8 Program Summary Event Flags menu and available only with Version 9 Challenger systems.

PANEL LINK FAIL EVENT FLAG

When a Version 9 Panel is off line it activates the Panel Link (V9) Fail Event Flag.

Example of display:

Panel Link Fail Event Flag ??

This function is used to to record the communication parameters when the system is reporting to the remote monitoring company using the Radio Interface.

The Version 9 Radio Communications option follows the Enable Radio Communications option in the standard Version 8 menu and is only available in Version 9 Challenger systems.

REPORT VIA PANEL LINK (V9)

YES - When set to yes, events report via mobile radio connected on Panel 0.

eg. If 3 Version 9 Panels are reporting via mobile radio (TS2051), then the following programming will enable Panels 1 and 2 to report events via Panel 0:

- | | | |
|----|---------|--|
| 1. | Panel 0 | Yes - Enable Radio Option
No - Report via Panel Link Option |
| 2. | Panel 1 | No - Enable Radio Option
Yes - Report via Panel Link Option |
| 3. | Panel 2 | No - Enable Radio Option
Yes - Report via Panel Link Option |

Example of display:

No - Report via Panel Link
* - Change, 0 - Skip

? Enter ~ Enter the number of the option required and move to the next display.

or **Enter** ~ Return to the Installer menu.

PanelLink arranges and connects a series of Challenger Panels into a complete system. The most obvious difference is the numbering system and the increase in the number of inputs, Areas and outputs. Up to 16 panels can be connected using Panel Link, with PC or printer interface connected to one or all of the panels. Panel Link programming is accessed from menu option 37 of the installer menu (19).

This option is only available in Version 8 or later.

The Master Panel broadcasts time to the linked panels on a regular basis and therefore must be able to talk to all linked panels. If in any panel the time is changed, then the time will be changed in all the linked Challenger panels automatically.

MENU OPTIONS

Installer Menu option 37 allows selection of the Panel Link programming functions. These are as follows:

LINKING PANELS

The numbers represent each linked panel in the system. Panel 0, the Master Panel, must be linked. In the example on the right, there are five panels linked together, Panels 0 1 2 3 4 5.

This process must be done in each Challenger linked on the system. The comma (,) after the Panel number indicates that the Challenger Panel is being polled and is online. A colon (:) indicates the Challenger Panel is trying to be polled but is offline.

SENDING PRINTER EVENTS TO THE MASTER PANEL

- YES - All printer events sent to master panel (panel 0).
- NO - All printer events sent to the local printer via the TS0892 fitted onto the TS0890 Panel Link board.

If this option is set to yes then the master printer must be connected to the Challenger Panel addressed as zero (master panel). All events, from all panels, with this option set to yes, will be sent to the master printer.

LOCAL COMPUTER PORTS

- YES - A Computer with Management Software is connected to the TS0892 pcb fitted onto the TS0890 Panel Link board. In this case you cannot have a local printer.
- NO - A Computer with Management Software is NOT connected to the TS0892 pcb fitted onto the TS0890 Panel Link board.

Note: If you are wanting to communicate to a computer with management software which is not connected here and it is connected on other Panel Linked Panel, then leave this option as 'NO'. That way, this Challenger knows it has to go via the Panel Link LAN.

Example of display:

0,1,2,3,4,5,
Panel Linked:-

? Enter ~ Enter the number of the panel to be linked.

or **Enter** ~ Return to the Installer menu.

Example of display:

NO - Printer Events to Master
* - Change 0 - Skip

***** ~ Change NO to YES, or YES to NO and display the new setting.

0 ~ Return to installer menu.

or **Enter** ~ To next menu.

Example of display:

No - Use Port B for Comp
* - Change 0 - Skip

? Enter ~ Change NO to YES, or YES to NO and display the new setting.

0 ~ Return to installer menu.

or **Enter** ~ To next menu.

PANEL-LINK

COMMUNICATIONS PRIORITY

This option is the order of panel reporting redundancy should a panel fail to communicate. Messages (alarms) will be routed to the next priority panel, programmed in this option, to be sent to the monitoring station. Priority 00 is the highest priority. Priority 15 is the lowest priority. Each Challenger Panel on the PanelLink system does not have to be in the same reporting order.

eg. If this panel is Panel 2 on the Panel Link system and this is the order that has been set: Priority 00 is Panel 2, Priority 01 is Panel 0, Priority 02 is Panel 1

Then;

- All messages from this panel to the monitoring station will go out through Panel 2.
- If Panel 2 should fail then all messages from this panel to the monitoring station will go out through Panel 0.
- If Panel 2 and 0 should fail then all messages from this panel to the monitoring station will go out through Panel 1.

This will continue for any more panels in the system.

COMMON AREA

This allows you to have one area on this panel to arm when **all** the areas in the next option (Linked Areas) are armed. Conversely, when any one of the areas in the next option is accessed, then this area will access.

0 = No common area.

Only one area can be selected here

Note: This area can still be armed and disarmed independantly. When it automatically arms, under the conditions described above, it will arm irrespective of un sealed inputs in the area; similar to forced arming.

LINKED AREAS

This is a list of areas in each panel used in the previous option - Common Area. When **all** these areas are armed the common area above will arm automatically, irrespective of any unsealed inputs in the common area above.

Where the display shows : * - Nxt, 0 - Areas:
The 0 will reflect the Challenger Panel Link number, 0 to 15.

Press * - To select the next Challenger to choose area/s from, By pressing *, the selection will go from 0 to 15 and continue to loop.

When you have reached the desired Challenger number, enter the area/s in that Challenger to form the common area setup.

See display example on the right.

Example of display:

Comms Port Priority - 00, Panel - 0
* - Next, Pri:_

* ~ Scroll through panels.

? Enter ~ Priority Number.

followed by

? Enter ~ Panel Number.

or **Enter** ~ To next menu.

Example of display:

Common Area - 0
Area:_

? Enter ~ Type number of common area, display will reflect change.

or **Enter** ~ To next menu.

Example of display:

2,5,9
* - Nxt, 3 - Areas:_

***** ~ Scroll through Challengers.

or **Number** ~ Type number of area directly.
Display will reflect change.

Enter ~ To next menu.

In the display example above, it is shown that Challenger 3 has areas 2,5,9 in the common area setup.

PANEL-LINK

EVENT MAPPER NUMBER

This option (Event Mapping) allows event flags on this Challenger to be activated when an area associated with another Challenger is either accessed, secured or in alarm.

To setup this option, the following is needed:

- Enter a event mapper number - 1 to 16.
- Select the Challenger Panel Number associated with the required area.
- Select the type of state the area must be in to activate the local event flag - 0 = None
 - 1 = Access
 - 2 = Secure
 - 3 = Alarm
 - 4 = Panel Link Relay
- Select the area (areas are selected using standard area numbering 1 to 16)
- Select the event flag (on this panel) that will be activated when the area in the selected Panel Link Challenger is in the selected state

See the display example on the right.

RELATED OPTIONS FOR PANEL LINK IN THE CHALLENGER INSTALLER MENU

RAS Database - Installer Menu 3:

The RAS database has a new option that is related to Panel Link and it is called - 'Restrict to Local Challenger'. This option when set to 'Yes' will only allow alarm control functions on the Challenger that the RAS is connected to. Therefore, you **cannot** perform any alarm control on other Challengers via this RAS even though you may have access to it.

AREA Database - Installer Menu 2:

The Area database has a new option called - 'Global Area'. When an area has been set to 'Yes' for Global, then, when that area is armed, all the other corresponding areas on each respective Panel Link Challenger will also arm. For eg: If this Challenger is Panel 2, and in area 4's database I set the Global option to 'Yes', then when I arm area 204 (Panel 2 Area 4), all the other area 4's in the other linked panels will arm. That is; Area 4, Area 104, Area 304 etc.

However, if I armed area 104, then only area 104 would arm and not the other areas, as area 4's in Panel Link 1 global option was set to 'No'.

Alarm & Access Control Groups:

Alarm, Door & Floor groups will be standard across all Challenger Panels. However, for the Alarm Groups, the contents of areas in each group in each Challenger may vary. For eg: User 1 has Alarm Group 50. Therefore, User 1 has Alarm Group 50 over all Challengers yet in each Challenger the areas in each Alarm Group may vary. Each Door Group has Doors 1-64, 101-164, 201-264 etc. Each Floor Group has Floors 1-64, 101-164, 201-264 etc.

Other Global Databases:

All Users, Timezones will be global throughout the Panel Link network.

Enter the Event Mapper number here, **not** the event flag to be activated. You can have 16 Event Mappers per challenger in Panel Link.

Event Mapper
No: _

? Enter ~ Enter number of event.

or **Enter** ~ To next menu.

You can have up to 16 (1 to 16) Event Mappers per Challenger.

Below is a display example of setting an Event Mapper up:

M-3, Panel-2, Type-Secure, Area-5 = Flag 26
*-Nxt, No:

***** ~ To go to the next Event Mapper, (M) number

? Enter ~ Enters the value required.

or **Enter** ~ To next field.

M - Stands for Event Mapper number.

Panel - Stands for Challenger Panel Number

Type - Refers to the area state needed to activate the 'Flag' entered below.

- 0 = Disabled

- 1 = Acc (Area Accessed)

- 2 = Sec (Area Secured)

- 3 = Alm (Area in Alarm)

- 4 = Relay (Panel Link Relay)

Area - What area number in the Challenger listed in the 'Panel' field above (standard numbering applies here).

Flag - What event flag on this Challenger will be activated once the conditions above are met.

PANEL LINK RELAY MAPPING

eg. Input 1 on Panel 1 to activate physical relay on panel 0.

Program Panel 1:

Input 1 - Type 20
Selected Event Flag - 101

Option 37 in Installer Menu
Panel Link Relay 1 - Event Flag 101

Program Panel 0:

Option 37 in Installer Menu
Event Mapper 1 - Panel 1 -Type 4 (relay)

Relay 1- Flag 100
Relay Mapping Relay 1- Flag 100

Example of display:

PL Relay Mapping
No:

PROGRAMMING PANEL LINK

Selecting the Panel which will be programmed as part of the Panel Link system. **INSTALLER MENU**

From here on end, all the menus are the same as a normal challenger, HOWEVER, you are programming another Challenger on the Panel Link system. This is denoted by the number of the panel in the bottom left of the screen. Example is shown on the right:

IMPORTANT NOTE:

* ALARM GROUPS

When assigning alarm groups to users, the alarm group numbers are universal to all Challengers. Therefore it should be noted that the contents of alarm groups, although they may have the same ID, will vary from panel to panel - only in respect to the area/s. All the other options in the Alarm Groups will be the same. So, if a user is assigned an alarm group 30, then he will have alarm group 30 across all Panel Link Challengers, just the areas in each panel could be different.

Therefore, when programming alarm groups in Installer Option 5 - Alarm Groups, it allows you to select areas from other Challengers on the Panel Link system. Please take care when programming this option. See example on right for alarm group display.

Example of display:

Program Panel Link
Panel: _

? Enter ~ Type the number of the panel to be programmed.

or **Enter** ~ Return to Installer menu.

For Example, if I enter 3 to program Panel 3 then this would be displayed;

Install Menu
3/0 - Ex, Menu: _

? Enter ~ Type the number of the installer menu.

or **Enter** ~ To next menu.

The top line indicating I'm in the installer menu and the bottom line indicating Panel 3 or) to exit (3/0).

ALARM GROUP PROGRAM DISPLAY EXAMPLE

3,5,8,10
*-Nxt,1-Area:_

In the example above;

Top Line: indicates the areas for the alarm group.

Bottom Line:

- * Selects the next sequential Challenger
- 1- Indicates what Challenger the areas in the top line belong to.

SYSTEM STATUS

- 1. Dial- displays the number of events in the comms buffer and the number of dial attempts.
- 2. Comp- displays the number of alarm events and access events.
- 3. Flags- displays active flags and relays.
- 4. V9 Events- displays the number of V9 event flags which are active.

Example of display:

1-Dial 2-Comp 3-Flags 4-PL Events
0-Exit, Menu:

RAS LED MAPPER

This option enables status of an area on one panel to be displayed on a RAS connected to another panel. An 8 or 16 area RAS can be programmed using this option to display any area across the V9 system.

eg. RAS number 1 has LED number 16 mapped to area 201. Therefore when area 201 is armed the 16th LED on RAS 1 will turn on.

Note: If area 16 is secured on Panel 0, LED 16 on RAS 1 will not turn on.

Example of display:

Ras Led Mapper
Ras No:1

Ras No1, Led No1, Default Map
Led No:16

Ras No1, Led No16, Area No 201
Area No 101

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