Firemax

Multi-Loop
Analogue Addressable
Fire Control Panel

Configuration
Software Manual

**MASTER
MANUAL**

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1. SOFTWARE VERSION ENTRY SELECTION

Firemax Panel Data Entry

Invoke program by running APP-CONF.BAT batch file, the first screen displays.

Please select MCPU version:

(1)..Version 2-1-1-009….(09)

(2)..Version 2-1-1-012….(12)

(3)..Version 2-1-4-032….(32)

(4)..Version 2-1-4-034….(Sing)

(5)..Version 2-1-4-034….(Net)

(6)..Other Versions

(Q)..Exit this program

This page is used to select the version of software used in the panel.
The MCPU EPROM will have a version number on it. Select the correct version by entering numbers 1-6 and the relevant download configuration software will be loaded.

If numbers 1-3 are selected, version 2.3 download software will be invoked.

If numbers 4 or 5 are selected, version 2-1-4-150 download software will be invoked.

2. FIREMAX PANEL DATA ENTRY – V2.3

(1) … Set Panel Messages

(2) … Change Panel Settings

(3) … Load Data From Panel

(4) … Send Data To Panel

(5) … Load Data From Disk

(6) … Save Data To Disk

(7) … Input Redefinition

(8) … Device Grouping

(9) … Examine Event Store

(E) … Erase Memory

(F) … Format Disk

(P) … Printout

(Q) ... Exit this program

Select required operation from menu.

3. PANEL MESSAGE MODIFICATION

(1) … Set Panel Messages

(2) … Change Panel Settings

(3) … Load Data From Panel

(4) … Send Data To Panel

(1) Allows the definition of alternative event names for certain devices.   These names are normally FIRE ALARM or FAULT but may be changed with this function.

(2) Allows the definition of alternative names for each of the 6 inputs available, on the display and/or external connection boards.

(3) Allows the "Hochiki Europe (UK)" name to be changed.

(4) Allows an English text message for each device's main address and in the case of devices with more than one input or output allows for the sub-address

3.1 Modify Event Names

Select Device Action

(A) …"Event 1 " (INFO LEVEL)	(P) … DEFAULT
(B) …"Event 2 " (INFO LEVEL)	(Q) … FIRE
(C) …"Event 3 " (INFO LEVEL)	(R) … PREALARM
(D) …"Event 4 " (INFO LEVEL)	(S) … FAULT
(E) …"Event 5 " (INFO LEVEL)	(T) … MAINTENANCE
(F) …"Event 6 " (INFO LEVEL)	(U) … SPECIAL EVENT (DEFAULT)
(G) …"Event 7 " (INFO LEVEL)	(V) … EVACUATE
(H) …"Event 8 " (INFO LEVEL)	(W) … EXTINGUISHER RELEASED
(I) … "Event 9 " (INFO LEVEL)	(X) … BOMB ALERT
(J)… "Event 10 " (INFO LEVEL)	(Y) … SILENCE
(K)… "Event 11 " (INFO LEVEL)	(Z) … RESET
(L)… "Event 12 " (INFO LEVEL)	(1) … ALERT
(M)… "Event 13 " (INFO LEVEL)	(2) … TRANSPARENT
(N)… "Event 14 " (INFO LEVEL)	
(O)… "Event 15 " (INFO LEVEL)	

Use ESCape to exit without changing.
Use Enter or Right Click on mouse to confirm change.
HELP (F1)   EXIT (ESC)

(A) This is not available for change as it is the normal default event, FIRE ALARM or FAULT message, which will be displayed by the control panel if the activated device has not been redefined.

(B) to (P) New events may be redefined to any 14 character message. To redefine, type the message letter to be changed and then type the required message. The delete key will backspace if a mistake is made.

3. PANEL MESSAGE MODIFICATION – Continued

When the message is as desired, press return to enter. The escape key returns you to the menu before.

The newly defined messages are assigned to devices using option 7 in the main menu – DEVICE REDEFINITION.

3.2 Modify External Fault Names

(A) ... "Mains Fault"

(B) ... "Charger Fault"

(C) …"Power Fault"

(D) .. ."Battery Fault"

(E) …"Extinguishant Fault"

(F) …"Earth Fault"

NOTE: The messages shown are the default messages. These will be shown when the inputs are activated, if they have not been modified.

To redefine the default message, type the message letter to be changed (A) to (F) and then type the required message (max. 20 characters) over the default. The delete key will backspace if a mistake is made.

When the message is as desired, press return to enter. The escape key returns you to the previous menu.

The messages will appear when the relevant inputs are active.

3.3 Supplier's Company Name

The old company name is "Hochiki Europe (UK) Ltd"

Please enter the new one "XYZ Alarms Ltd"

The supplier's company name will be shown on the control panel's liquid crystal display when it is in either the system normal or access modes. It replaces the normal name which is:

Hochiki Europe (UK) Ltd

(1) Type the desired new name. This may be up to 40 characters in length.

(2) If a new name is already displayed, either over type with another or move the cursor to the right of the text (cursor) keys and delete.

(3) Press return to enter the message.

3. PANEL MESSAGE MODIFICATION – Continued

3.4. Device Location Messages

Device Location Message Entry

Device Address 1   Device Loop 1

Main Address Message   "-----------------------------"

Sub-Address 1 Message   "-----------------------------"

Sub-Address 2 Message   "-----------------------------"

Sub-Address 3 Message   "-----------------------------"

Device type: CHQ-R

1) Set the device address number by typing the desired number in the address number box and press return. Repeat for the loop number.

2) The cursor will now be in the message box. Type the desired message. Press return (once or twice as necessary) to enter. To edit the message, over type with the amendment. To clear unwanted text, move the cursor to the right of it using the cursor keys, then delete.

3) If it is necessary to define the device type e.g. for a device with sub-addresses this can be done by pressing ALT T which will come up with the device type entry menu.

4) Whilst the cursor is in the message window, messages may be copied from other locations or deleted. To copy: Press ALT C and enter the address and loop number to be copied FROM. This message will then be copied into the present location. If the device to be copied has sub-addresses, then the sub-address messages will also be copied up to the number of the sub-addresses. If there are insufficient sub-address messages to copy then the last available message will be copied up to the last sub-address. To delete: Press ALT D when the message to be deleted is shown, and then confirm with the Y key.

5) Any message may be viewed by setting the address and loop numbers, and moving the cursor to the message window.

4. CHANGE PANEL SETTINGS

Panel Settings

(1) … Number of loops available: 2

(2) … Number of zones available: 16

(3) … Ringing Mode Type: common ringing

(4)… Reset output operation: on display test
4. CHANGE PANEL SETTINGS

This allows the specifics of the panel to be changed. The number of loops or number of zones.

(1) Allows the number of loops to be changed from 2, 4, 6 and 8 (i.e. only increments of 2) since the system can accept up to 4 DCI 2-loop controller boards. Entry is achieved by entering the correct number, either 2, 4, 6 or 8 and then accepting by pressing the enter key.

(2) The panel may have up to 48 zone LED's, although only 16, 32, 48 are possible. The number of zones is not checked by the panel, it is up to the user to ensure the correct number is specified. Alteration of the zones is by entering the number.

(3) Allows the control panel default sounder mode to be selected. Either COMMON or ZONAL ringing modes may be selected. Use space to toggle the selection and enter to accept.

(4) Allows the display test output on the panel to be configured to operate on display test, on reset or on both display test and reset. Use space to toggle the selection and enter to accept.

5. DEVICE REDEFINITION

Device Input Redefinition

0.021	0.022	0.023	0.024	0.025	0.026	0.027	0.028	0.029
0.030	0.031	0.032	0.033	0.034	0.035	0.036	1.001	1.002
1.003	1.004	1.005	1.006	1.007	1.008	1.009	1.010	1.011
1.012	1.013	1.014	1.015	1.016	1.017	1.018	1.019	1.020
1.021	1.022	1.023	1.024	1.025	1.026	1.027	1.028	1.029
1.030	1.031	1.032	1.033	1.034	1.035	1.036	1.037	1.038
1.039	1.040	1.041	1.042	1043	1.044	1.045	1.046	1.047
1.048	1.049	1.050	1.051	1.052	1.053	1.054	1.055	1.056
1.057	1.058	1.059	1.060	1.061	1.062	1.063	1.064	1.065
1.066	1.067	1.068	1.069	1.070	1.071	1.072	1.073	1.074
1.075	1.076	1.077	1.078	1.079	1.080	1.081	1082	1.083
1.084	1.085	1.086	1.087	1.088	1.089	1.090	1.091	1.092
1.093	1.094	1.095	1.096	1.097	1.098	1.099	1.100	1.101
1.102	1.103	1.104	1.105	1.106	1.107	1.108	1.109	1.110
1.111	1.112	1.113	1.114	1.115	1.116	1.117	1.118	1.119
1.120	1.121	1.122	1.123	1.124	1.125	1.126	1.127	2.001
2.002	2.003	2.004	2.005	2.006	2.007	2.008	2.009	2.010
2.011	2.012	2.013	2.014	2.015	2.016	2.017	2.018	2.019
2.020	2.021	2.022	2.023	2.024	2.025	2.026	2.027	2.028

Use RETURN to edit the device or SPACE to remove its definition

This allows the inputs from a device to be redefined so as to change the type of response action (FIRE, FAULT, PRE-ALARM, MAINTENANCE or FAULT 2), the names of the events (FIRE ALARM, FAULT, etc.) and if the device is an analogue sensor the threshold value and whether a pre-alarm can be generated.

5. DEVICE REDEFINITION – Continued

1) Select the address number of the device to be redefined by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.1 relates to loop 1, device 3, sub-address 1. If any of the features of the device have been redefined then the device will be highlighted.

2) Press the space bar to highlight the selected device. If the device type is unknown then a menu will appear to ask for device type entry, before moving to the next menu.

NOTE: If the selected device is already highlighted it means that some redefinition data has already been assigned to it. When the space bar is pressed you will be asked to confirm that you wish to delete the existing redefinition data FOR THAT DEVICES SUB-ADDRESS ONLY. The existing data can be viewed or changed by pressing the enter key.

5.1   Device Input Redefinition For An Input Device

Address 21, Loop 0, INPUT

(1) … Select Action

(2) … Select Message

5.2   Device Input Redefinition For An Analogue Sensor

Address 2, Loop 1, ALE-E

(1) … Analogue threshold level: 3.0%/m

(2) … Pre-alarm used

This menu allows the redefined event and type names to be allocated to the selected device's address. It also allows the device's input responses to be changed.

IMPORTANT – EXTREME CARE MUST BE EXERCISED WHEN USING THIS FUNCTION AS IT IS POSSIBLE TO PREVENT A DEVICE FROM RESPONDING TO A FIRE.

(1) - Allows access to the event name message entry, as from main menu selection 1, to enable these to be "re-modified".
(2) - Allows the input responses to be altered. If the device is an analogue device it will show the selection for the analogue threshold, which can be changed using the number keys and finish with the enter key.

 NOTE: items will only be available as appropriate for the device.

(1) - Allows the event names to be changed. If the device is analogue the pre-alarm use selection will be shown. Use the space or cursor arrow keys to toggle between used or unused and accept using the enter key.

NOTE: items will only be available as appropriate for the device.

5. DEVICE REDEFINITION – Continued

Select Sub-address 1 Action

(1) … Fire

(2) … Pre-Alarm

(3) … Fault

(4) … Maintenance

(5) … Fault 2

CAUTION

This function allows the control panel's response to the operation of a device to be changed. You, the operator, must be totally aware of the device type, address and loop number before redefining an input which would normally produce a fire alarm. To change the device's input response from the normal, default, condition simply press the number key relevant to the type of response required e.g., FIRE, PRE-ALARM, FAULT, MAINTENANCE or FAULT 2. Press the enter key to store the change and return to the previous menu.

5.3   Select Input Messages (Event Names)

Select Device Action

(A) …"Event 1 " (INFO LEVEL)		(P) … DEFAULT
(B) …"Event 2 " (INFO LEVEL)		(Q) … FIRE
(C) …"Event 3 " (INFO LEVEL)		(R) … PREALARM
(D) …"Event 4 " (INFO LEVEL)		(S) … FAULT
(E) …"Event 5 " (INFO LEVEL)		(T) … MAINTENANCE
(F) …"Event 6 " (INFO LEVEL)		(U) … SPECIAL EVENT (DEFAULT)
(G) …"Event 7 " (INFO LEVEL)		(V) … EVACUATE
(H) …"Event 8 " (INFO LEVEL)		(W) … EXTINGUISHER RELEASED
(I) …"Event 9 " (INFO LEVEL)		(X) … BOMB ALERT
(J)… "Event 10 " (INFO LEVEL)		(Y) … SILENCE
(K)… "Event 11 " (INFO LEVEL)		(Z) … RESET
(L)… "Event 12 " (INFO LEVEL)		(1) … ALERT
(M)… "Event 13 " (INFO LEVEL)		(2) … TRANSPARENT
(N)… "Event 14 " (INFO LEVEL)		
(O)… "Event 15 " (INFO LEVEL)		

Use ESCape to exit without changing.

This function allows one of the 15 previously defined alternatives EVENT NAMES to be used by each input of the selected device.

5. DEVICE REDEFINITION – Continued

The event names, usually fire alarm, fault, etc., may be allocated to any of the device inputs by simply pressing the relevant key (A) to (Z) to move the * from the default , or previous selection, to the new name.

When selected, press the enter key to return to the previous menu.

NOTE: Care must be taken when re-defining the FIRE ALARM event to prevent any confusion on the part of the control panel operator.

6. DEVICE GROUPING MENU

(1). Device Type Definition

Allows the device type codes to be entered

(2). Zone Allocation of Devices

Allows the grouping of addressable devices into any of the available control panel zones.

(3). Enter Cause/Effect Data (continuous o/p operation)

Allows the programming of complex cause and effects tables. CAUSES, signals from addressable devices, may be programmed to control output devices, EFFECTS on the device's CONTINUOUS output operation.

(4). Enter Cause/Effect Data (intermittent o/p operation)

Allows the programming of complex cause/effects tables on the device's CONTINUOUS output operation.

(5). Enter Non-Silenceable Devices

Allows output devices to be defined as NON-SILENCEABLE, which specifies whether the output will switched off when the panel has been silenced.

(6). Enter Non-Evacuatable Devices

Allows output devices to be defined as NON-EVACUATABLE, which specifies whether the device will be switched on by a panel evacuate operation.

(7). Enter Non-Resetable Device

Allows output devices to be defined as NON-RESETABLE, which specifies whether the output will be switched off by reset or will change state in respect of the cause of the change. A device may not be RESETABLE and EVACUATABLE.

To select the required menu item, simply press the relevant number key.

6. DEVICE GROUPING MENU - Continued

6.1 Device Type Definition Selection

0.021	0.022	0.023	0.024	0.025	0.026	0.027	0.028	0.029
0.049	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.057
0.058	0.059	0.060	0.061	0.062	0.063	0.064	0.065	0.066
0.067	0.068	0.069	0.070	0.071	0.072	0.073	0.074	0.075
0.076	0.077	0.078	0.079	0.080	0.081	0.082	0.083	0.084
0.085	0.086	0.087	0.088	0.089	0.090	0.091	0.092	0.093
0.094	0.095	0.096	0.097	0.098	0.099	0.100	0.101	0.102
0.103	0.104	0.105	0.106	0.107	0.108	0.109	0.110	0.111
0.112	1.001	1.002	1.003	1.004	1.005	1.006	1.007	1.008
1.009	1.010	1.011	1.012	1.013	1.014	1.015	1.016	1.017
1.018	1.019	1.020	1.021	1.022	1.023	1.024	1.025	1.026
1.027	1.028	1.029	1.030	1.031	1.032	1.033	1.034	1.035
1.036	1.037	1.038	1.039	1.040	1.041	1.042	1.043	1.044
1.045	1.046	1.047	1.048	1.049	1.050	1.051	1.052	1.053
1.054	1.055	1.056	1.057	1.058	1.059	1.060	1.061	1.062
1.063	1.064	1.065	1.066	1.067	1.068	1.069	1.070	1.071
1.072	1.073	1.074	1.075	1.076	1.077	1.078	1.079	1.080
1.081	1.082	1.083	1.084	1.085	1.086	1.087	1.088	1.089

Use SPACE to select a device address

With this menu it is possible to define a device type in a methodical order and have the ability to see which devices have been allocated on the system. Since any devices already defined will have a type code, all devices with a known type code will be shown highlighted.

To select a device, use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given a format not containing the sub-address e.g. 1.003 relates to loop 1, device 3. Devices which have not already had their type codes defined will not be highlighted. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value.

2) Press the space bar to enter the device type selection menu.

3) Press the ESCape key to return to the previous menu.

NOTE: Pressing SPACE, RETURN or ALT T will have the same effect as entering the device type setting menu. To remove a device, select UNDEFINED from the menu.

6. DEVICE GROUPING MENU - Continued

6.2 Panel PIO (Input and Output) Definition

Please Enter Panel PIO Input Type

Address 29, Loop O, UNDEFINED   Address 54, Loop 0, UNDEFINED

(0) … UNDEFINED (remove device)   (0) … UNDEFINED

(1) … Input Change   (1) … Relay Output (not available)

                                                (2)… Darlington Output

                                                (3)… Sounder Output

Please Enter Panel PIO Output Type   Please Enter panel PIO Output Type
                                                (SOUNDER 41,42)

Address 41, Loop 0, DEFAULT Sounder Operation

(0) … DEFAULT Sounder Operation

(1) … Programmable Sounder Output

6.3 Device Type Definition (Loop Devices)

Please Enter ESP Device Type

      Address 5, Loop 1, UNDEFINED

      (0) … UNDEFINED (remove device)
      (1) … MCP-E, MCP-W (CHQ-CP)
      (2) … Master Base (YCA-RL/5H2)
      (3) … Addressable Base (YCA-RL/3H2)
      (4) … 2-input switch module (CHQ-S)
      (5) … 2-output sounder controller (CHQ-B)
      (6) … 2-output relay controller (CHQ-R)
      (7) … 2-zone input module (CHQ-Z)
      (8) … Mini zone module (CHQ-MZ)
      (9) … Photo-electric sensor (ALE-E / ALG-E)
      (A) … Heat sensor (ATD-E / ATG-E)
      (B) … Ionisation sensor (AIC-E / AIE-E)
      (C) … Wall Sounder (CHQ-BS)

Help   (F1) EXIT (ESC)

Having selected the particular device to be defined, the system now needs to know what type of device it is. If the control panel is up and running and an upload has been done or if a read from disk has been performed the system may already know the device type.

To select the device type, simply press the relevant number key for the type of device which is (or will be) at that address on that loop.

The system then proceeds to the next menu.

6. DEVICE GROUPING MENU – Continued

6.4 Zone Allocation Selection

0.021	0.022	0.023	0.024	**0.025**	**0.**026	0.027	0.028.	0.029
0.030	0.031	0.032	0.033	0.034	0.035	0.036	0.041	0.042
0.049	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.057
0.058	0.059	0.060	0.061	0.062	0.063	0.064	0.065	0.066
0.067	0.068	0.069	0.070	0.071	0.072	0.073	0.074	0.075
0.076	0.077	0.078	0.079	0.080	0.081	0.082	0.083	0.084
0.085	0.086	0.087	0.088	0.089	0.090	0.091	0.092	0.093
0.094	0.095	0.096	0.097	0.098	0.099	0.100	0.101	0.102
0.103	0.104	0.105	0.106	0.107	0.108	0.109	**0.110**	**0.111**
0.112	**1.001.1**	**1.001.2**	1.001.3	1.002.1	1.003	1.004	1.005	1.006
1.007	1.008	1.009	1.010	1.011	1.012	1.013	1.014	1.015
1.016	1.017	1.018	1.019	1.020	1.021	1.022	1.023	1.024
1.025	1.026	1.027	1.028	1.029	1.030	1.031	1.032	1.033
1.034	1.035	1.036	1.037	1.038	1.039	1.040	1.041	1.042
1.043	1.044	1.045	1.046	1.047	1.048	1.049	1.050	1.051
1.052	1.053	1.054	1.055	1.056	1.057	1.058	1.059	1.060
1.061	1.062	1.063	1.064	1.065	1.066	1.067	1.068	1.069
1.070	1.071	1.072	1.073	1.074	1.075	1.076	1.077	1.078
1.079	1.080	1.081	1.082	1.083	1.084	1.085	1.086	1.087

Use SPACE to select a device address   Zone Number = 1

This function allows any device address to be placed into any available zone. To allocate the devices into zones, use the following procedure:

1) Set the present zone number (shown at bottom right) to the desired number by "stepping", using the + and - keys. Alternatively, press the Z key and type in the required zone number. Then press the ENTER key.

2) Select the address number of the device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to inputs or outputs, since their zone can be independently set. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last address in a row. Selection is achieved by pressing either the space bar or enter key.

3) The devices selected are highlighted. If a device is already allocated to another zone a warning will be displayed. If the device is to be moved from its previously allocated zone into the present one, press the Y key to confirm.

4) Device zoning may be viewed by stepping though the zone numbers.

6. DEVICE GROUPING MENU - Continued

6.5 Cause/Effect Device Selection (Continuous)

Cause/Effect Device Selection (Continuous)

0.041	0.042	0.049	0.050	0.051	0.052	0.053	0.054	0.055
0.056	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064
0.065	0.066	0.067	0.068	0.069	0.070	0.071	0.072	0.073
0.074	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082
0.083	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.091
0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.100
0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109
0.110	0.111	0.112	**1.001.1**	1.001.2	1.002	1.003	1.004	1.005
1.006	1.007	1.008	1.009	1.010	1.011	1.012	1.013	1.014
1.015	1.016	1.017	1.018	1.019	1.020	1.021	1.022	1.023
1.024	1.025	1.026	1.027	1.028	1.029	1.030	1.031	1.032
1.033	1.034	1.035	1.036	1.037	1.038	1.039	1.040	1.041
1.042	1.043	1.044	1.045	1.046	1.047	1.048	1.049	1.050
1.051	1.052	1.053	1.054	1.055	1.056	1.057	1.058	1.059
1.060	1.061	1.062	1.063	1.064	1.065	1.066	1.067	1.068
1.069	1.070	1.071	1.072	1.073	1.074	1.075	1.076	1.077
1.078	1.079	1.080	1.081	1.082	1.083	1.084	1.085	1.086
1.087	1.088	1.089	1.090	1.091	1.092	1.093	1.094	1.095
1.096	1.097	1.098	1.099	1.100	1.101	1.102	1.103	1.104

Use RETURN to edit the device or SPACE to remove its definition

This allows the selection of an output device (output devices only) for which a cause and effects table is to be programmed. To select an output device use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices, which have not been defined, will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP/ PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last addresses in a row.

2) Press the space bar or enter key to highlight the selected device. Since it is essential to know the device type if it is unknown then a menu will appear asking for the device type, before taking you into the next menu.

3) If multiple output devices have THE SAME cause and effects requirements only one need be programmed. This data may then be copied to the others by moving the cursor to them and pressing ALT C. Then enter the address and loop of the device to be copied from.

NOTE: Already highlighted addresses have cause/effect data already assigned to them.

6. DEVICE GROUPING MENU - Continued

6.6 Cause/Effect Table Entry Menu

Cause/Effect Table Entry

Address 1, Loop 1, CHQ-R, Output 1

(1) … Change Output Device   (5) … Remove Table From Panel

(2) … Allocate Group   (6) … Use Default Ringing Mode

(3) … Remove Group   (7) … No Default Ringing Mode

(4) … Define Group Logic

This menu allows cause and effects table to be built up.

(1) Allows return to the output device selection menu to choose another output device.

(2) Allows input devices to be connected together within GROUPS.

(3) Allows a group to be deleted.

(4) Allows the GROUP, or GROUPS, to be connected together.

(5) Deletes ALL cause and effect data for the selected device.

(6) Device responds to selected default ringing mode IN ADDITION to any programmed cause/effects.

(7) Device responds ONLY to the programmed cause and effects.

To select the required menu item, simply press the relevant number key.

6.7 Allocate Group

Group Assignment { Device 1, Loop 1}
Common Group Data: #1

Allocated Groups:

001	002	003	004	005	006	007	008
009	010	011	012	013	014	015	016
017	018	019	020	021	022	023	024
025	026	027	028	029	030	031	032
033	034	035	036	037	038	039	040
041	042	043	044	045	046	047	048
049	050	051	052	053	054	055	056
057	058	059	060	061	062	063	064
065	066	067	068	069	070	071	072
073	074	075	076	077	078	079	080
081	082	083	084	085	086	087	088

Please use ↑ ↓ keys to change fields and use +/- keys to alter a field value.

Press Enter to Continue

Zones/Devices (Devices)	089	090	091	092	093	094	095	096
Logical Connection (OR)	097	098	099	100	101	102	103	104
	105	106	107	108	109	110	111	112
	113	114	115	116	117	118	119	120
	121	122	123	124	125	126	127	

6. DEVICE GROUPING MENU - Continued

6.8 Allocate Zones Devices for Group

Input Device Selection (Continuous)

0.021.1	0.022.1	0.023.1	0.024.1	0.025.1	0.026.1	0.027.1	0.028.1	0.029
0.030	0.031	0.032	0.033	0.034	0.035	0.036	1.001.3	1.002.1
1.003	1.004	1.005	1.006	1.007	1.008	1.009	1.010	1.011
1.012	1.013	1.014	1.015	1.016	1.017	1.018	1.019	1.020
1.021	1.022	1.023	1.024	1.025	1.026	1.027	1.028	1.029
1.030	1.031	1.032	1.033	1.034	1.035	1.036	1.037	1.038
1.039	1.040	1.041	1.042	1.043	1.044	1.045	1.046	1.047
1.048	1.049	1.050	1.051	1.052	1.053	1.054	1.055	1.056
1.057	1.058	1.059	1.060	1.061	1.062	1.063	1.064	1.065
1.066	1.067	1.068	1.069	1.070	1.071	1.072	1.073	1.074
1.075	1.076	1.077	1.078	1.079	1.080	1.081	1.082	1.083
1.084	1.085	1.086	1.087	1.088	1.089	1.090	1.091	1.092
1.093	1.094	1.095	1.096	.1097	1.098	1.099	1.100	1.101
1.102	1.103	1.104	1.105	1.106	1.107	1.108	1.109	1.110
1.111	1.112	1.113	1.114	1.115	1.116	1.117	1.118	1.119
1.120	1.121	1.122	1.123	1.124	1.125	1.126	1.127	2.001
2.002	2.003	2.004	2.005	2.006	2.007	2.008	2.009	2.010
2.011	2.012	2.013	2.014	2.015	2.016	2.017	2.018	2.019
2.020	2.021	2.022	2.023	2.024	2.025	2.026	2.027	2.028

Use SPACE to select/de-select a device address.

Common group data is that which is common to ALL devices, or zones, which are to be within this group.

ZONES/DEVICES – Select either DEVICE or ZONAL cause and effects.

LOGICAL CONNECTION – The logical connection between devices or zones, within this group. (OR, AND or COINCIDENT)

To select the various options use the following procedure:

Move cursor to the item to change (cursor keys) and use + and – keys to scroll around the available options. When these are as desired press the enter key to move on.

Having defined the common group data the address numbers of the devices which are required within this group must be defined.

To define the devices within this group use the following procedure:

1) Select the address number of the input device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g.

1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to inputs only. Use the PAGE Up/PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last address in a row.

6. DEVICE GROUPING MENU – Continued

2) Select any input by pressing the space bar. If it is previously unknown, then the device type menu selection will appear before the device is highlighted.

3) When all the required numbers are highlighted, press the enter key to return to the cause/effect data table menu.

4) If a mistake is made and an address is not required in this group is can be unselected by using the space bar.

:

6.9 Define Group Logic

Allocated Groups

Group Assignment	**001**	**002**	003	004	005	006	007	008
{ Device 1, Loop 1, Output 2}	009	010	011	012	013	014	015	016
	017	018	019	020	021	022	023	024
	025	026	027	028	029	030	031	032
	033	034	035	036	037	038	039	040
1 and 2	041	042	043	044	045	046	047	048
	049	050	051	052	053	054	055	056
	057	058	059	060	061	062	063	064
	065	066	067	068	069	070	071	072
	073	074	075	076	077	078	079	080
	081	082	083	084	085	086	087	088
	089	090	091	092	093	094	095	096
	097	098	099	100	101	102	103	104
	105	106	107	108	109	110	111	112
	113	114	115	116	117	118	119	120
	121	122	123	124	125	126	127	

Having defined the input groups they must be connected to the selected output device via a logical connection. This is the GROUP LOGIC.

To enter group logic use the following procedure:

1) Type the number of a highlighted group.

2) Type A for AND connections or O for OR connections.

3) Type the number of the next highlighted group required.

4) Connections within brackets assume higher priority e.g., 1AND (2OR3)

5) Use the cursor and delete keys for editing.

6) When the logic is completed press enter to return to the previous menu.

NOTE: If only one group is used then type 1 for the group logic.

6. DEVICE GROUPING MENU - Continued

6.10 Non-Silenceable Device Selection

Device Non-Silenceable Selection

0.041	0.042	0.049	0.050	0.051	0.052	0.053	0.054	0.055
0.056	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064
0.065	0.066	0.067	0.068	0.069	0.070	0.071	0.072	0.073
0.074	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082
0.083	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.091
0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.100
0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109
0.110	0.111	0.112	1.001.1	1.001.2	1.002	1.003	1.004	1.005
1.006	1.007	1.008	1.009	1.010	1.011	1.012	1.013	1.014
1.015	1.016	1.017	1.018	1.019	1.020	1.021	1.022	1.023
1.024	1.025	1.026	1.027	1.028	1.029	1.030	1.031	1.032
1.033	1.034	1.035	1.036	1.037	1.038	1.039	1.040	1.041
1.042	1.043	1.044	1.045	1.046	1.047	1.048	1.049	1.050
1.051	1.052	1.053	1.054	1.055	1.056	1.057	1.058	1.059
1.060	1.061	1.062	1.063	1.064	1.065	1.066	1.067	1.068
1.069	1.070	1.071	1.072	1.073	1.074	1.075	1.076	1.077
1.078	1.079	1.080	1.081	1.082	1.083	1.084	1.085	1.086
1.087	1.088	1.089	1.090	1.091	1.092	1.093	1.094	1.095
1.096	1.097	1.098	1.099	1.100	1.101	1.102	1.103	1.104

Use SPACE to select/de-select a device address.

Non-silenceable output devices will only de-activate when the control panel is reset. To select a device as non-silenceable, use the following procedure:
1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only.

Use the PAGE UP/ PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last addresses in a row.

2) Press the space bar to highlight ALL non-silenceable devices required. Any devices not already defined as outputs must be selected as output units.

3) Press the Escape key to keep the highlighted devices and return to the previous menu.

NOTE: If a device is already highlighted it is non-silenceable. Press the space bar or enter key to return to silenceable status.

6. DEVICE GROUPING MENU - Continued

6.11 Non-Evacuatable Device Selection

Device Non-Evacuatable Selection

0.041	0.042	0.049	0.050	0.051	0.052	0.053	0.054	0.055
0.056	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064
0.065	0.066	0.067	0.068	0.069	0.070	0.071	0.072	0.073
0.074	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082
0.083	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.091
0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.100
0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109
0.110	0.111	0.112	1.001.1	1.001.2	1.002	1.003	1.004	1.005
1.006	1.007	1.008	1.009	1.010	1.011	1.012	1.013	1.014
1.015	1.016	1.017	1.018	1.019	1.020	1.021	1.022	1.023
1.024	1.025	1.026	1.027	1.028	1.029	1.030	1.031	1.032
1.033	1.034	1.035	1.036	1.037	1.038	1.039	1.040	1.041
1.042	1.043	1.044	1.045	1.046	1.047	1.048	1.049	1.050
1.051	1.052	1.053	1.054	1.055	1.056	1.057	1.058	1.059
1.060	1.061	1.062	1.063	1.064	1.065	1.066	1.067	1.068
1.069	1.070	1.071	1.072	1.073	1.074	1.075	1.076	1.077
1.078	1.079	1.080	1.081	1.082	1.083	1.084	1.085	1.086
1.087	1.088	1.089	1.090	1.091	1.092	1.093	1.094	1.095
1.096	1.097	1.098	1.099	1.100	1.101	1.102	1.103	1.104

Use SPACE to select/de-select a device address

Non-evactuatable output devices will not operate when the control panel is evacuated through the evacuate button.

To select a device as non-evacuatable, use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP/ PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last addresses in a row.

2) Press the space bar to highlight ALL non-silenceable devices required. Any devices not already defined as outputs must be selected as output units.

3) Press the ESCape key to keep the highlighted devices and return to the previous menu.

NOTE: If a device is already highlighted it is non-evacuatable. Press the space bar or enter key to return to evacuatable status.

6. DEVICE GROUPING MENU - Continued

6.12 Non-Resetable Device Selection

Device Non-Resetable Selection

0.041	0.042	0.049	0.050	0.051	0.052	0.053	0.054	0.055
0.056	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064
0.065	0.066	0.067	0.068	0.069	0.070	0.071	0.072	0.073
0.074	0.075	0.076	0.077	0.078	0.079	0.080	0.081	0.082
0.083	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.091
0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.100
0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109
0.110	0.111	0.112	1.001.1	1.001.2	1.002	1.003	1.004	1.005
1.006	1.007	1.008	1.009	1.010	1.011	1.012	1.013	1.014
1.015	1.016	1.017	1.018	1.019	1.020	1.021	1.022	1.023
1.024	1.025	1.026	1.027	1.028	1.029	1.030	1.031	1.032
1.033	1.034	1.035	1.036	1.037	1.038	1.039	1.040	1.041
1.042	1.043	1.044	1.045	1.046	1.047	1.048	1.049	1.050
1.051	1.052	1.053	1.054	1.055	1.056	1.057	1.058	1.059
1.060	1.061	1.062	1.063	1.064	1.065	1.066	1.067	1.068
1.069	1.070	1.071	1.072	1.073	1.074	1.075	1.076	1.077
1.078	1.079	1.080	1.081	1.082	1.083	1.084	1.085	1.086
1.087	1.088	1.089	1.090	1.091	1.092	1.093	1.094	1.095
1.096	1.097	1.098	1.099	1.100	1.101	1.102	1.103	1.104

Use SPACE to select/de-select a device address

Non-resetable output devices will only deactivate when the condition which caused the activation goes away. This means that a device which is non-resetable must be non-evacuatable, non–silencable and not activate on cause/effect default ringing mode or else it may be impossible to reset the device's output.

To select a device as non-resetable, use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 relates to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value.

2) Press the space bar to highlight ALL non-resetable devices required.

3) Press the ESCape key to keep the highlighted devices and return to the previous menu.

NOTE: If a device is already highlighted it is non-resetable. Press the space bar or enter key to return to resetable status.

7. DATA PRINTOUT

Data printout

(1) … Print all Devices

(2) … Print Range of Devices

(3) … Print Location Messages

This function allows all the data held on the PC to be printed to an 80 character printer, connected to the PC. This enables the programmed data for a control panel to be analysed on paper.

To printout data, first ensure that the printer is ready.

Pressing the 1 key will immediately start the printout for all devices.

If the 2 key is pressed, the system will prompt for the first device address, last device address and the loop number. Press the ENTER key after each number typed in.

Menu selection 3 prints out only the location messages.

1. SOFTWARE SELECTION V2-1-4-034 (SINGLE PANEL)

Please select MCPU version:

(1) … Version 2-1-1-009…………(09)

(2) … Version 2-1-1-012 …………(12)

(3) … Version 2-1-4-032 …………(32)

(4) … Version 2-1-4-034 …………(Sing)

(5) … Version 2-1-4-034 …………(Net)

(6) … Other Versions

(Q) … Exit this program

2. SINGLE PANEL SYSTEM CONFIG.MAIN MENU

(1) … Load Data From Panel   (6) … Device Configuration

(2) … Send Data To Panel   (P) … Printout

(3) … Load Data From Disk   (M) … Merge In Old DAT File

(4) … Save Panel Data To Disk   (E) … Erase Panel Configuration

(5) … Change Panel Settings   (Q) … Quit Program

(1) Upload All data from a panel connected to PC
(2) Download All data to the panel connected to PC
(3) Retrieve data from disk
(4) Save this panel data to disk
(5) Allows setting of panel main data
(6) Allows setting of all loop device data and some panel devices
(P) Allows printing of device data
(M) Allows config files from old versions of PC-config to be converted to new format or for
    networking
(E) Starts up a download and clears all files in the Panel. This allows auto learn to be re-
    used without removal of memory chip.

2.1 Load Data From Disk

1) Use the cursor keys to move the highlighter to the required filename and press the
ENTER key. This function allowed the operator to retrieve data from a file on disk.

2) If data already exists within the PC it will be lost. The system will request confirmation
to overwrite the PC data before doing so.

3) Once a disk load or save has been performed within a particular programming session,
the last used file name will be automatically highlighted for loading.

2. SINGLE PANEL SYSTEM CONFIG. MAIN MENU- Continued

NOTE: To load from another directory use/L [location]\ in command line e.g.
"/Lc:\pc_conf\data\"

Project File Selection

Example 1   Example 2   Example 3

Select the required project list

2.2 Change Panel Settings

(1) … Number of Loops Available: 2   (5) … Company Name

(2) … Number of Zones Available: 16   (6) … External Fault Inputs

(3) … Ringing Mode Type: Common Ringing   (7) … Event Names

(4) … Reset Output Operation: Test Only

(1) Allows the number of loops to be changed from 2, 4, 6 and 8 (i.e. only increments of 2) Entry is achieved by entering the correct number, either 2, 4, 6 or 8 and then accepting by pressing the enter key.

(2) The panel may have up to 48 zone LED's, although only 16, 32, 48, are possible. The number of zones is not checked by the panel. Ensure the correct number specified.

(3) Allows the control panel default sounder mode to be selected. Either COMMON or ZONAL ringing modes may be selected. Use space to toggle the selection and enter to accept.

(4) Allows the display test output on the panel to be configured to operate on display test, on reset or on both display test and reset. Use space to toggle the selection and enter to accept.

(5) Allows setting of the company name displayed on the panel.

(6) Allows setting of the external fault names shown in fault conditions. These are text changes only, the action is not changed.

(7) Allows setting up a library of up to 15 event name messages. Each name can be up to 15 characters long. Each name has an action associated with it, this is the level that this event occurs at.

3. SOFTWARE SELECTION V2-1-4-034 (NETWORK PANEL)

Please select MCPU version:

(1) … Version 2-1-1-009………….(09)
(2) … Version 2-1-1-012………….(12)
(3) … Version 2-1-4-032………….(32)
(4) … Version 2-1-4-034………….(Sing)
(5) … Version 2-1-4-034………….(Net)
(6) … Other Versions
(Q) … Exit this program

4. NETWORK PANEL SYSTEM CONFIG.

(1) … Create New Project   (4) … Edit Project
(2) … Load Project From Disk   (5) … Select Panel Data
(3) … Save Project To Disk   (Q) … Exit this program

(1) A project is a complete system, containing a number of panels.
(2) Load a system, allowing access to the individual panels.
(3) Save project, save project common data DOES NOT SAVE PANEL FILES!
(4) Allows changes to number of panels or other common data.
(5) Allows change to individual panel data.
(Q) Leave config program

4.1 Load Data From Disk

(1) … Create Single Panel System

(2) … Create Networked Panel System

4.2 Network Project Generation Menu

(1) … Project Name: NONAME

(2) … Company Name

(3) … Number of Panels: 0

(G) … Generate Project

(1) Enter the name under which you wish the files to be stored up to 6 characters can be used for the name.

(2) The company name can be set as a default for all panels at generation. This saves entering this for each panel. The name can be changed for each panel at a later date.

(3) Select the number of panels on the system. You can select either the number of panels on the completed systems, or the number presently installed. The number can be increased at any time (it cannot be decreased).

(G) Once the data is entered this key will generate the new project and all the panel files.

5. SINGLE PANEL CONFIG. (NETWORK SOFTWARE)

5.1 Single Panel Project Generation Network

(1) … Project Name: Example 1

(G) … Generate Project

(1) Enter the name under which you wish the files to be stored Up to 6 characters can be used for the name.

(G) Once the name is selected this key will generate the new project.

5.2 Change Single Panel Settings

(1) … Number of Loop Available: 2

(2) … Number of Zones Available: 16

(3) … Ringing Mode Type: Common Ringing

(4) … Reset Output Operation: Test Only

(5) … Company Name

(6) … External Fault Inputs

(7) … Event Names

(1) Allows the number of loops to be changed from 2, 4, 6 and 8 (i.e. only increments of 2) Entry is achieved by entering the correct number, either 2, 4, 6 or 8 and then accepting by pressing the enter key.

(2) The panel may have up to 48 zone LED's, although only 16, 32, 48, are possible. The number of zones is not checked by the panel. Ensure the correct number specified.

(3) Allows the control panel default sounder mode to be selected. Either COMMON or ZONAL ringing modes may be selected. Use space to toggle the selection and enter to accept.

(4) Allows the display test output on the panel to be configured to operate on display test, on reset or on both display test and reset. Use space to toggle the selection and enter to accept.

(5) Allows setting of the company name displayed on the panel.

(5) Allows setting of the external fault names shown in fault conditions. These are text changes only, the action is not changed.

(6) Allows setting up a library of up to 15 event name messages. Each name can be up to 15 characters long. Each name has an action associated with it, this is the level that this event occurs at. These levels are: Fire, Pre-alarm, Fault, Maintenance, Info Level.

6. EDIT PROJECT COMMON DATA

(1) … Event Names

(2) … Number of Panels: xx

After a project has been generated some of the information for the panels in the system, is fixed as COMMON. The User events 1 to 15 can be changed in this menu.

Each name can be up to 15 characters long. Each name has an action associated with it, this is the level that this event occurs at. These levels are: FIRE, PRE-ALARM, FAULT, MAINTENANCE & INFO LEVEL.

The number of panels on the system can be set here, it cannot be reduced. The max. number is 20 panels.

7. NETWORKED PANEL DATA ENTRY

Panel Name: Main Block

(1) … Load Data from Panel   (6) …. Device Configuration

(2) … Send Data to Panel   (P) …. Printout

(4) … Save Panel Data to Disk   (M) …. Merge in old DAT file.

(5) … Change Panel Settings   (E) …. Erase Panel Confi.

(1) Upload All data from a panel connected to PC
(2) Download All data to the panel connected to PC
(4) Save this panels data to disk
(5) Allows setting of panel main data
(6) Allows setting of all loop device data and some panel devices
(P) Allows printing of device data
(M) Allows config files from old versions of pc-config to be converted to new format or for networking
(E) Starts up a download and clears all files in the Panel. This allows auto learn to be re-used without removal of memory chip.

8. NETWORK PANEL SETTINGS

(1) … Number of Loops Available: 2   (6) …. External Fault Inputs

(2) … Number of Zone Available: 16   (7) …. Panel Area Allocation

(3) … Ringing Mode Type: Common Ringing   (8) …. Network Panel Name:

(4) … Reset Output Operation: Test Only   (9) …. Network Zone Offset: 0

(5) … Company Name   (A) …. Network Personality

8. NETWORK PANEL SETTINGS – CONTINUED

(1) Allows the number of loops to be changed from 2, 4, 6 and 8 (i.e. only increments of 2). Entry is achieved by entering the correct number, either 2, 4, 6 or 8 and then accepting by pressing the enter key.

(2) The panel may have up to 48 zone LED's, although only 16, 32, 48, are possible. The number of zones is not checked by the panel. Ensure the correct number specified.

(3) Allows the control panel default sounder mode to be selected. Either COMMON or ZONAL ringing modes may be selected. Use space to toggle the selection and enter to accept.

(4) Allows the display test output on the panel to be configured to operate on display test, on reset or on both display test and reset. Use space to toggle the selection and enter to accept.

(5) Allows setting of the company name displayed on the panel.

(6) Allows setting of the external fault names shown in fault conditions. These are text changes only, the action is not changed.

(7) Allows a panel to be associated to given areas. A panel can be in 1 to 99 areas.

(8) Allows a panel network name to be assigned. This can be up to 18 characters long.

(9) Allows the zone number of a panel to be offset on the network by 1 to 999.

(A) Allows the panels personality to be set up. This is how that panel will respond to other panels on the network.

8.1 Panel Area Selection

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

There are 99 areas that are configurable (1 to 99).

Space bar will toggle a panel in / out of an area.

Use cursor keys to move around the area numbers.

This will set this panel to react to devices on the network within the selected areas.

See also DEVICE AREA SELECTION (main device display "areas").

8. NETWORK PANEL SETTINGS – CONTINUED

8.2 Network Panel Personality

Panel Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Show Events		X	X		X															
Store Events		X	X																	
Print Events		X			X															
Drive Firr O/P																				
Drive Flt O/P					X															
Drive Other O/P					X															
Silence/Reset		X	X		X															
Bomb Alert																					
Evacuate																					
Common Zones																					
Alert For Fire																					

This display shows how THIS PANEL (marked with solid vertical bar) will react to events from other panels. E.g. check "show events" box on a panel and events from that panel will be shown on THIS PANEL.

NETWORK SELECTION This menu allows the set-up of the Network Personality:

IF YOU ARE UNSURE ABOUT THIS FUNCTION PLEASE CONSULT YOUR SUPPLIER

The display shows all possible panels 1 to 20. The current panel is marked in green and cannot be changed. The boxes are "checked" to show how the current panel will react to events from other panels.

Some actions require other modes to be on before they can work i.e. Printing cannot be selected unless event store is active.

Use space to toggle "checks" cursor keys to move or use mouse.

CONFIGURATION DATA THAT IS COMMON TO ALL NETWORKED & SINGLE PANEL SYSTEMS V2-1-4-034

9. PANEL MESSAGE MODIFICATION

9.1 Modify External Fault Input Names

(A) … Mains Fault   (D) … Battery Fault

(B) … Charger Fault   (E) … Extinguishant Fault

(C) … Power Fault   (F) … Earth Fault

NOTE: The messages shown are the default messages. These will be shown when the inputs are activated they have not been modified.

9. PANEL MESSAGE MODIFICATION – Continued

To redefine the default message type the message letter to be changed (A to F) and then type the required message (max. 20 characters) over the default. The delete key will backspace if a mistake is made.

When the message is as desired, press return to enter. The escape key returns you to the previous menu. The messages will appear when the relevant inputs are active.

{NEW EXTERNAL FAULT MESSAGE}

Name (A) is currently: "Mains Fault"

Please enter new name: PSU FAULT

9.2 Modify Event Names & Actions

Modify E
Modify Event Names and Actions

```
        Event Name                Action

*(A) … "Event 1       "         action=  INFO LEVEL
 (B) … "Event     2    "         action=  INFO LEVEL
 (C) … "Event     3    "         action=  INFO LEVEL
 (D) … "Event     4    "         action=  INFO LEVEL
 (E) … "Event     5    "         action=  INFO LEVEL
 (F) … "Event     6    "         action=  INFO LEVEL
 (G) … "Event     7    "         action=  INFO LEVEL
 (H) … "Event     8    "         action=  INFO LEVEL
 (I)  … "Event     9    "         action=  INFO LEVEL
 (J)  … "Event     10   "         action=  INFO LEVEL
 (K) … "Event     11   "         action=  INFO LEVEL
 (L)  … "Event     12   "         action=  INFO LEVEL
 (M) … "Event     13   "         action=  INFO LEVEL
 (N) … "Event     14   "         action=  INFO LEVEL
 (O) … "Event     15   "         action=  INFO LEVEL
```

HELP(F1)-- Exit (Esc)

10. HELP ON EDIT KEYS

C	-	Copy current displayed text message to the text buffer
P	-	Paste text buffer to current main / sub address
R	-	Replace sub address text with text from main address
S	-	Select which text message to view (device type menu)
M	-	Edit sub address text message,
		(main and sub's in type menu using 'S' key as above)
BKSP	-	Delete contents of paste buffer (text)
TAB	-	Change to next device view option (as next Function key)
F1..F12	-	Change device view option
Z	-	Enter zone to look at (zones menu)
A	-	Enter area to look at (areas menu)
+	-	Change to next panel (networked, main selection level)
-	-	Change to previous panel (networked, main selection level)
TAB	-	Change to next panel (networked, main selection level)
CURSOR	-	Normal cursor actions for, PGUP, PGDN, HOME, END, UP, DN, LEFT, RIGHT

In cause and Effect menus C, P and Back Space are changed:

C	-	Copy this address table to table buffer
P	-	Paste the table in the buffer to this output (not virtual wires)
BKSP	-	Delete contents of paste buffer (table)

11. DEVICE CONFIGURATION

11.1 Device Type Definition Selection

0.021	0.022	0.023	0.024	0.025	0.026	0.027	**Type**	**(F2)**
0.028	0.029	0.030	0.031	0.032	0.033	0.034	Zone	(F3)
0.035	0.036	0.041	0.042	0.049	0.050	0.051	Area	(F4)
0.052	0.053	0.054	0.055	0.056	0.057	0.058	Input Redef	(F5)
0.059	0.060	0.061	0.062	0.063	0.064	0.065	Non Silence	(F6)
0.066	0.067	0.068	0.069	0.070	0.071	0.072	Non Evacuate	(F7)
0.073	0.074	0.075	0.076	0.077	0.078	0.079	Non Reset	(F8)
0.080	0.081	0.082	0.083	0.084	0.085	0.086	Default Ring	(F9)
0.087	0.088	0.089	0.090	0.091	0.092	0.093	CE (cont)	(F10)
0.094	0.095	0.096	0.097	0.098	0.099	0.100	CE (int.)	(F11)
0.101	0.102	0.103	0.104	0.105	0.106	0.107	Base Sounder	(F12)
0.108	0.109	0.110	0.111	0.112	1.001	1.002		
1.003	1.004	1.005	1.006	1.007	1.008	1.009	Ringing: Common	
1.010	1.011	1.012	1.013	1.014	1.015	1.016	LP1:R<675 Ohms	
1.017	1.018	1.019	1.020	1.021	1.022	1.023		
1.024	1.025	1.026	1.027	1.028	1.029	1.030		
1.031	1.032	1.033	1.034	1.035	1.036	1.037		
1.038	1.039	1.040	1.041	1.042	1.043	1.044		
1.045	1.046	1.047	1.048	1.049	1.050	1.051		

Device CHQ-CP   Message: Main Block Entrance

With this menu it is possible to define a device type in a methodical order and have the ability to see which devices have been allocated on the system. Since any devices already defined will have a type code, all devices with a known type code will be shown highlighted.

11. DEVICE CONFIGURATION – Continued

To select a device, use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a format not containing the sub-address e.g. 1.003 related to loop 1, device 3. Devices which have not already had their type codes defined will not be highlighted. Use the PAGE UP/PAGE DOWN keys to show devices of higher or lower address value.

2) Press the space bar to enter the device type selection menu.

3) Press the ESCape key to return to the previous menu.

NOTE: The text message viewed can be switched from main to sub addr. If they exist , using the key 'S'. You can copy the main addr text to all the sub addr's using 'R'. In all other menus 'R' will copy the main addr. text to the specific sub addr. Pressing SPACE, return will have the same effect as entering the device type setting menu.

To remove a device select UNDEFINED from the menu.

11.2 ESP Device Type Definition Selection

Address 2, Loop 1, UNDEFINED

(0) … UNDEFINED (remove device)
(1) … MCP-E, MCP-W (CHQ-CP)
(2) … Master Base (YCA-RL/5H2)
(3) … Addressable Base (YCA-RL/3H2)
(4) … 2 Input Switch Module (CHQ-S)
(5) … 2 Output Sounder Controller (CHQ-B)
(6) … 2 Output Relay Controller (CHQ-R)

(7) … 2 zone Input Module (CHQ-Z)
(8) … Mini Zone Module (CHQ-MZ)
(9)… Photoelectric Sensor (ALE-E / ALG-E)
(A) … Heat Sensor (ATD-E / ATG-E)
(B) … Ionisation Sensor (AIC-E / AIE-E)
(C) … Wall Sounder (CHQ-BS)

Having selected the particular device to be defined, the system now needs to know what type of device it is. If the control panel is up and running and an upload has been done, or if a read from disk has been performed the system may already know the device type. To select the device type simply press the relevant number key for the type of device which is (or will be) at that address on that loop. The system then proceeds to the next menu.

11.3 Zone Allocation

This function allows any device to be placed into any available zone. To allocate the devices into zones, use the following procedure:

1) Set the present zone number to the desired number by "stepping", using the + and – keys. Alternatively, press the Z key and type in the required zone number. Then press the ENTER key.

2) Select the address number of the device by moving the cursor (cursor keys or mouse) to the relevant address. Note the address is given in a similar format to the control

panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will not appear.

11.DEVICE CONFIGURATION – Continued

3) Selection is achieved by pressing either the space bar or enter key.

4) The device selected is moved out of any previously selected zone.

5) Device zoning may be viewed by stepping through the zone numbers.

Zone Allocation Selection:

1.001.1	V.001	V.002	V.003	V.004	V.005	V.006	Help	(F1)
V.007	V.008	V.009	V.010	V.011	V.012	V.013	Type	(F2)
V.014	V.015	V.016	V.017	V.018	V.019	V.020	**Zone**	**(F3)**
V.021	V.022	V.023	V.024	V.025	V.026	V.027	Area	(F4)
V.028	V.029	V.030	V.031	V.032	V.033	V.034	Input Redef	(F5)
V.035	V.036	V.037	V.038	V.039	V.040	V.041	Non Silence	(F6)
V.042	V.043	V.044	V.045	V.046	V.047	V.048	Non Evacuate	(F7)
V.049	V.050	V.051	V.052	V0.053	V.054	V.055	Non Reset	(F8)
V.056	V.057	V.058	V.059	V.060	V.061	V.062	Default Ring	(F9)
V.063	V.064	V.065	V.066	V.067	V.068	V.069	CE (cont)	(F10)
V.070	V.071	V.072	V.073	V.074	V.075	V.076	CE (int.)	(F11)
V.077	V.078	V.079	V.080	V.081	V.082	V.083	Base Sounder	(F12)
V.084	V.085	V.086	V.087	V.088	V.089	V.090		
V.091	V.092	V.093	V.094	V.095	V.096	V.097	Ringing: Common	
V.098	V.099	V.100	V.101	V.102	V.103	V.104		
V.105	V.106	V.107	V.108	V.109	V.110	V.111		
V.112	V.113	V.114	V.115	V.116	V.117	V.118		
V.119	V.120	V.121	V.122	V.123	V.124	V.125		
V.126	V.127							

View Zone: 2   Device: Virtual Wire   Message:-------------------------------------

Zone:2

12. DEVICE INPUT REDEFINITION

This allows the inputs from a device to be redefined so as to change the type of response action. If the device is an analogue sensor the threshold value and whether a pre-alarm can be generated.

1) Select the address number of the device to be redefined by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.1 relates to loop 1, device 3, sub-address 1. If any of the features of the device have been redefined then the device will be highlighted.

2) Press the space bar to highlight and change the definition for the device. Note: if the selected device is already highlighted it means that some redefinition data has already been assigned to it. When the space bar is pressed, you will be asked to confirm that you wish to delete the existing redefinition data FOR THAT DEVICE'S SUB-ADDRESS ONLY. The existing data can be viewed or changed by pressing the enter key.

12. DEVICE INPUT REDEFINITION - Continued

12.1 Select Device Action

(A) … "Event 1 " (Info Level)	(P) … Default
(B) … "Event 2 " (Info Level)	(Q) … Fire
(C) … "Event 3 " (Info Level)	(R) … Pre-alarm
(D) … "Event 4 " (Info Level)	(S) … Fault
(E) … "Event 5 " (Info Level)	(T) … Maintenance
(F) … "Event 6 " (Info Level)	(U) … Special Event (Default)
(G) … "Event 7 " (Info Level)	(V) … Evacuate
(H) … "Event 8 " (Info Level)	(W) … Extinguisher Released
(I) … "Event 9 " (Info Level)	(X) … Bomb Alert
(J) … "Event 10 " (Info Level)	(Y) … Silence
(K) … "Event 11 " (Info Level)	(Z) … Reset
(L) … "Event 12 " (Info Level)	(1) … Alert
(M) … "Event 13 " (Info Level)	(2) … Transparent
(N) … "Event 14 " (Info Level)	
(O) … "Event 15 " (Info Level)	

Use Escape to exit without changing.
Use Enter of Right Click on mouse to confirm change.

*****<u>EXTREME CAUTION</u>*****

This function allows the control panel's response to the operation of a device to be changed. You, the operator, must be totally aware of the device type, address and loop number before redefining an input which would normally produce a fire alarm.
IT IS POSSIBLE TO PREVENT DEVICE FROM INITIATING A FIRE ALARM AT THE CONTROL PANEL.
To change the device's input response from the normal, default, condition press the number key relevant to the type of response required to use cursor keys to move the '*'
Right mouse click or ENTER key to select ESC to leave without changing.
The events A - O can be changed in Edit project menu.

'Y' will silence the panel, 'Z' resets the panel, '2' will cause no event to occur – special use in CE tables.
Press the Enter key to store the change and return to the previous menu.

13. DEVICE O/P OPERATION

13.1 Device Non-Silenceable Selection

1.005.1	1.005.2	**1.006.1**	**1.006.2**	1.007.3	1.012.1		
						Help	(F1)
						Type	(F2)
						Zone	(F3)
						Area	(F4)
						Input Redef	(F5)
						Non Silence	**(F6)**
						Non Evacuate	(F7)
						Non Reset	(F8)
						Default Ring	(F9)
						CE (cont)	(F10)
						CE (int.)	(F11)
						Base Sounder	(F12)

Device: CHQ-B   Message: Main Block Corridor   Ringing:Common
                                                                       LP1: R<21 Ohms
Zone:1

Non-silenceable output devices will only deactivate when the control panel is reset.

To select a device as non-silenceable, use the following procedure:

(1) Select the address number of output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 related to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last addresses in a row.

(2) Press the space bar to highlight ALL non-silenceable devices required. Any devices not already defined as outputs must be selected as output units.

3) Press the ESCape key to keep the highlighted devices and return to the previous menu.

NOTE: if a device is already highlighted it is non-silenceable. Press the space bar or enter key to return to silenceable status.

13.2 Device Non-Evacuatable Selection

1.005.1	1.005.2	1.006.1	1.006.2	1.007.3	1.012.1		
						Help	(F1)
						Type	(F2)
						Zone	(F3)
						Area	(F4)
						Input Redef	(F5)
						Non Silence	(F6)
						Non Evacuate	(F7)
						Non Reset	(F8)
						Default Ring	(F9)
						CE (cont)	(F10)
						CE (int.)	(F11)
						Base Sounder	(F12)

Device: CHQ-B   Message: West Wing Corridor   Ringing:Common
                                          LP1: R<21 Ohms
Zone:1

13. DEVICE O/P OPERATION – Continued

Non-evacuatable output devices will not operate when the control panel is evacuated through the evacuate button.

To select a device as non-resetable, use the following procedure:

(1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 relates to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last addresses in a row.

(2) Press the space bar to highlight ALL non-evacuatable devices required. Any devices not already defined as outputs must be selected as output units.

3) Press the ESCape key to keep the highlighted devices and return to the previous menu.

NOTE: If a device is already highlighted it is non-evacuatable. Press the space bar or enter key to return to evacuatable status.

13.3 Device Non-Resetable Selection

1.005.1	1.005.2	1.006.1	1.006.2	1.007.3	1.012.1	Help	(F1)
						Type	(F2)
						Zone	(F3)
						Area	(F4)
						Input Redef	(F5)
						Non Silence	(F6)
						Non Evacuate	(F7)
						Non Reset	(F8)
						Default Ring	(F9)
						CE (cont)	(F10)
						CE (int.)	(F11)
						Base Sounder	(F12)

Device: CHQ-B   Message: Main Block Corridor   Ringing:Common
                                                             LP1: R<21 Ohms

Zone:1

Non-resetable output devices will only deactivate when the condition which caused the activation goes away. This means that a device which is non-resetable must be non-evacuatable, non-silenceable and not activate on cause/effect default ringing mode or else it may be impossible to reset the device's output.

To select a device as non-resetable, use the following procedure:

1) Select the address number of the output device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 relates to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to outputs only. Use the PAGE UP / PAGE DOWN keys to show devices of higher or lower address value.

13. DEVICE O/P OPERATION – Continued

2) Press the space bat to highlight ALL non-resetable devices required.

3) Press the ESCape key to keep the highlighted devices and return to the previous menu.

NOTE: If a device is already highlighted it is non-resetable. Press the space bar or enter key to return to resetable status.

13.4 Device Default Ringing Selection

1.005.1	**1.005.2**	**1.006.1**	**1.006.2**	**1.007.3**	**1.012.1**		
						Help	(F1)
						Type	(F2)
						Zone	(F3)
						Area	(F4)
						Input Redef	(F5)
						Non Silence	(F6)
						Non Evacuate	(F7)
						Non Reset	(F8)
						Default Ring	(F9)
						CE (cont)	(F10)
						CE (int.)	(F11)
						Base Sounder	(F12)

Device: CHQ-B   Message: West Wing Corridor   Ringing:Common
                                                            LP1: R<21 Ohms
Zone:1

This menu allows the actions of Output devices to be modified. The default actions are those associated with Fire. i.e. if a device does not have default ringing it will NOT be directly controlled in the case of a fire. It will usually be controlled by cause/effect programming.

14. CAUSE & EFFECT PROGRAMMING

14.1 Cause & Effect Device Selection (Continuous)

1.001.1	V.001	V.002	V.003	V.004	V.005	V.006	Help	(F1)
V.007	V.008	V.009	V.010	V.011	V.012	V.013	Type	(F2)
V.014	V.015	V.016	V.017	V.018	V.019	V.020	Zone	(F3)
V.021	V.022	V.023	V.024	V.025	V.026	V.027	Area	(F4)
V.028	V.029	V.030	V.031	V.032	V.033	V.034	Input Redef	(F5)
V.035	V.036	V.037	V.038	V.039	V.040	V.041	Non Silence	(F6)
V.042	V.043	V.044	V.045	V.046	V.047	V.048	Non Evacuate	(F7)
V.049	V.050	V.051	V.052	V0.053	V.054	V.055	Non Reset	(F8)
V.056	V.057	V.058	V.059	V.060	V.061	V.062	Default Ring	(F9)
V.063	V.064	V.065	V.066	V.067	V.068	V.069	CE (cont)	(F10)
V.070	V.071	V.072	V.073	V.074	V.075	V.076	CE (int.)	(F11)
V.077	V.078	V.079	V.080	V.081	V.082	V.083	Base Sounder	(F12)
V.084	V.085	V.086	V.087	V.088	V.089	V.090		
V.091	V.092	V.093	V.094	V.095	V.096	V.097	Ringing: Common	
V.098	V.099	V.100	V.101	V.102	V.103	V.104		
V.105	V.106	V.107	V.108	V.109	V.110	V.111		
V.112	V.113	V.114	V.115	V.116	V.117	V.118		
V.119	V.120	V.121	V.122	V.123	V.124	V.125		
V.126	V.127							

Device: Virtual Wire   Message:---

Zone: 2

This allows the selection of an output device for cause and effect table programming.

1) Select the address number of the output device by moving the cursor (cursor keys/mouse) to the relevant address.

2) Devices displayed relate to outputs only.

3) Press the space bar or enter key to highlight the selected device.

4) If multiple output devices have THE SAME cause and effects requirements only one need be programmed. This data may then be copied to the others by moving the cursor to them and pressing ALT C. Then enter the address and loop of the device to be copied from.

5) Multiple, identical tables are more efficiently written by allocating the table to a virtual wire and then driving the outputs using the virtual wire. This reduced file size, and increases speed.

Cause & Effect Table Entry:

Address 5, Loop 1, CHQ-B, Output 1

(1) … Change Output Device   (4) … Define Group Logic

(2) … Allocate Group   (5) … Remove Table From Panel

(3)… Remove Group

14. CAUSE & EFFECT PROGRAMMING - Continued

This menu allows cause and effects tables to be built up.

(1) Allows return to the output device selection menu to choose another output device.

(2) Allows input devices to be connected together within GROUPS.

(3) Allows a group to be deleted.

(4) Allows the GROUP, or GROUPS, to be connected together.

(5) Deletes ALL cause and effect data for the selected device.

(6) Device responds to selected default ringing mode IN ADDITION to any programmed cause and effects.

(7) Device responds ONLY to the programmed cause and effects. To select the required menu item, simply press the relevant number key.

Allocate Group

Group Assignment { Device 1, Loop 1}

Common Group Data: #1	Allocated Groups:							
	001	002	003	004	005	006	007	008
	009	010	011	012	013	014	015	016
	017	018	019	020	021	022	023	024
Please use ↑↓ keys to change	025	026	027	028	029	030	031	032
fields and use +/- keys to alter	033	034	035	036	037	038	039	040
a field value.	041	042	043	044	045	046	047	048
	049	050	051	052	053	054	055	056
	057	058	059	060	061	062	063	064
Press Enter to Continue	065	066	067	068	069	070	071	072
	073	074	075	076	077	078	079	080
	081	082	083	084	085	086	087	088
Zones/Devices (**Zones**)	089	090	091	092	093	094	095	096
Logical Connection (OR)	097	098	099					

Common group data is that which is common to ALL devices, or zones, which are to be within this group. See manual for full details.

ZONES/DEVICES – Select either DEVICE or ZONAL cause and effects.

LOGICAL CONNECTION – The logical connection between devices, or zones, within this group. (OR, AND, or COINCIDENT)

To select various options use the following procedure:
Move cursor to the item to change (cursor keys) and use + and – keys to scroll around the available options. When these are as desired press the enter key to move on.

Allocated Zones for Group

001	002	003	004	005	006	007	008
009	010	011	012	013	014	015	016

14. CAUSE & EFFECT PROGRAMMING - Continued

Having defined the common group data, the zone numbers which are required within this group must be defined.

To define the zones within this group, use the following procedure:
1) Select the zone numbers (up to 96), by moving the cursor (cursor keys) to the required number and press the space bar to highlight them.

2) When all the required numbers are highlighted, press the enter key to return to the cause/effect data table menu.

3) If a mistake is made and a zone is not required in this group, it can be de-selected by using the space bar.

Allocated Devices for this Group

Input Device Selection (Continuous)

0.021.1	0.022.1	0.023.1	0.024.1	0.025.1	0.026.1	0.027.1	0.028.1	0.029
0.030	0.031	0.032	0.033	0.034	0.035	0.036	1.001.3	1.002.1
1.003	1.004	1.005	1.006	1.007	1.008	1.009	1.010	1.011
1.012	1.013	1.014	1.015	1.016	1.017	1.018	1.019	1.020
1.021	1.022	1.023	1.024	1.025	1.026	1.027	1.028	1.029
1.030	1.031	1.032	1.033	1.034	1.035	1.036	1.037	1.038
1.039	1.040	1.041	1.042	1043	1.044	1.045	1.046	1.047
1.048	1.049	1.050	1.051	1.052	1.053	1.054	1.055	1.056
1.057	1.058	1.059	1.060	1.061	1.062	1.063	1.064	1.065
1.066	1.067	1.068	1.069	1.070	1.071	1.072	1.073	1.074
1.075	1.076	1.077	1.078	1.079	1.080	1.081	1082	1.083
1.084	1.085	1.086	1.087	1.088	1.089	1.090	1.091	1.092
1.093	1.094	1.095	1.096	1.097	1.098	1.099	1.100	1.101
1.102	1.103	1.104	1.105	1.106	1.107	1.108	1.109	1.110
1.111	1.112	1.113	1.114	1.115	1.116	1.117	1.118	1.119
1.120	1.121	1.122	1.123	1.124	1.125	1.126	1.127	2.001
2.002	2.003	2.004	2.005	2.006	2.007	2.008	2.009	2.010
2.011	2.012	2.013	2.014	2.015	2.016	2.017	2.018	2.019
2.020	2.021	2.022	2.023	2.024	2.025	2.026	2.027	2.028

Use SPACE to select/de-select a device address

Having defined the common group data the address numbers of the devices which are required within this group must be defined.

To define the devices within this group use the following procedure:
1) Select the address number of the input device by moving the cursor (cursor keys) to the relevant address. Note the address is given in a similar format to the control panel e.g. 1.003.2 relates to loop 1, device 3, sub-address 2. Devices which have not been defined will display no sub-address, devices with a sub-address displayed relate to inputs only. Use the PAGE UP/ PAGE DOWN keys to show devices of higher or lower address value. Use the HOME or END keys to move to the first or last address in a row.
2) Select any input by pressing the space bar. If it is previously unknown, then the device type menu selection will appear before the device is highlighted.

14. CAUSE & EFFECT PROGRAMMING - Continued

3) When all the required numbers are highlighted, press the enter key to return to the cause/effect data table menu.
4) If a mistake is made and an address is not required in this group, it can be deselected by using the space bar.

Define Group Logic

Group Logic	Allocated Groups:
{ Device 1, Loop 1, Output 2}	001 002 003 004 005 006 007 008
	009 010 011 012 013 014 015 016
1 and 2	017 018 019 020 021 022 023 024
	025 026 027 028 029 030 031 032
	033 034 035 036 037 038 039 040
	041 042 043 044 045 046 047 048
	049 050 051 052 053 054 055 056
	057 058 059 060 061 062 063 064
	065 066 067 068 069 070 071 072
	073 074 075 076 077 078 079 080
	081 082 083 084 085 086 087 088
	089 090 091 092 093 094 095 096
	097 098 099

Having defined the input groups, they must be connected to the selected output device via a logical connection. This is the GROUP LOGIC. See manual for full details.

To enter group logic use the following procedure:

1) Type the number of a highlighted group.

2) Type A for AND connections or O for OR connections.

3) Type the number of the next highlighted group required.

4) Connections within brackets assume higher priority e.g. 1AND(2OR3)

5) Use the cursor and delete keys for editing.

6) When the logic is completed press enter to return to the previous menu.

NOTE: If only one group is used then type 1 for the group logic.

14. CAUSE & EFFECT PROGRAMMING - Continued

14.2 Cause & Effect Device Selection (Intermittent)

1.005.1	1.005.2	1.006.1	1.006.2	1.007.3	1.012.1	Help	(F1)
						Type	(F2)
						Zone	(F3)
						Area	(F4)
						Input Redef	(F5)
						Non Silence	(F6)
						Non Evacuate	(F7)
						Non Reset	(F8)

Device: CHQ-B　　　　Message:　West　Wing　Default Ring　(F9)
Zone: 1　　　Corridor　　　　　　　　CE (cont)　(F10)
Ringing: Common　　　　　　　　　　CE (int.)　(F11)
LP1: R<21 Ohms　　　　　　　　**BaseSounder　(F12)**

Cause & Effect (intermittent) is identical in every way to Cause & Effect (continuous) except that virtual wires are not available to program.

14.3 Virtual Wires

This feature will allow Cause & Effects programming across separate panels in Networked System. An entire Network will support up to 127 Virtual Wires. Each Virtual Wire can be used as an input or an output to Cause & Effect. (but not both in the same Cause & Effect table).

Once a Virtual Wire has become true, various panels can then be programmed to control other output devices (using Cause & Effect tables with the Virtual Wire as an input) and or to perform an action as per any ESP device input.

Virtual Wires can also be used on single panel systems to optimise Cause & Effect by removing the need to use repeated Cause & Effect tables to control various output devices.

15. BASE SOUNDER DEVICE CONFIGURATION

1.012.1	1.013.1	1.014.1	Help	(F1)
			Type	(F2)
			Zone	(F3)
			Area	(F4)
			Input Redef	(F5)
			Non Silence	(F6)
			Non Evacuate	(F7)

Device:　　ALE-　　　Message:　West　Wing　Non Reset　(F8)
E/ALG-E　　　　　　Corridor　　　　　　Default Ring　(F9)
Zone: 1　　　　　　　　　　　　　　CE (cont)　(F10)
　　　　　　　　　　　　　　　　　CE (int.)　(F11)
Ringing: Common　　　　　　　　BaseSounder　(F12)
LP1:R<21Ohms

15.1 Base Sounders

This menu allows base sounders to be selected for devices.
1) These can be called up for any ANALOGUE SENSOR
2) The devices that can have a sounder will show in the devices window
3) Selection / De-selection is by space bar