

# DYGIZONE

GJD910 Lighting Controller & Enunciator



**GJD**  
DETECT & SECURE

## MASTER WIRING IDENTIFICATION

CABLE FROM EXPANSION UNIT (SIX-CORE)	SLAVE WIRING FROM SECOND EXPANSION UNIT (FOUR-CORE)
Red +ve 12 Volt	Red +ve 12 Volt
Black -ve 0 Volt	Black -ve 0 Volt
Blue Clock "C"	Blue Clock "C"
Yellow Data "D"	
Green Data "E"	
White Remote "R"	
	<b>SLAVE WIRING FROM MASTER DygiZONE (FOUR-CORE)</b>
	White Remote "R"

### Power up to the DygiZone and you will see:

- ✓ All the LED's (red,yellow,green and blue buttons) will flash
  - ✓ All the LCD icons will light up (there is no audible noise) The blue LCD backlight does not come on
  - ✓ The display will automatically clear after 1 minute, or if any button is pressed. When the display clears and nothing is activated
  - ✓ The LCD displays the clock time (automatically defaults to 00:00)
  - ✓ The symbol M appears on the DygiZone which is configured as the master controller: The letter M does not appear when setting up a DygiZone as a slave controller
- The three zone LED's will display whatever zone state has been last programmed or the default setting. The default setting is audible and automatic for all active zones.
- Remove insulating strip from clock back up battery on master controller

### Zone Indicator Icons explained

Along the bottom of the LCD display up to three sub-zone circular icons will be displayed above each numbered Zone button. These will only be displayed when an associated detector connected to A1,A2 or A3 on the Expansion Unit is activated. When corresponding detectors connected to A1,A2 or A3 inputs are activated then-

- ✓ The LCD screen will display the zone number 1,2 and 3
- ✓ A circle will appear around the zone number if that sub-zone detector is activated

The circle flashes on the screen in the same way as the PIR text whenever a PIR is triggered. - i.e. the circle flashes for 8 seconds upon activation and then remains on for pre-programmed time duration (time on ) After that time as elapsed, the circle will disappear.

**Note:** the numbers 1,2 or 3 always remain steady and never flash.

When the PIR's have not been activated

- ✓ The large circular bluer Zone buttons (1-4) will not be illuminated
- ✓ The clock and M display will remain visible but all other icons on the LCD are turned off
- ✓ The zone status LED's that are required will be displayed.

**Zone Status Icons** (only visible when the zone button is pushed). At the top in the middle of the LCD, three zone status icons will be displayed in various combinations, depending on how the zone has been set up

1. A light bulb icon represents external lights are on from a detector activation, manual override more or timer operation and mimics the yellow LED
2. The musical note icon is shown when the audible mode is selected and mimics the red LED.
3. If voice message mode has been selected (vs beep) then the microphone icon will also display on the LCD.
4. The stick man icon represents the automatic mode and mimics the green LED

## LED lights explained

**Red = Audible Mode** - either beep more or voice message mode.

**Green = Automatic Mode** - works in conjunction with the photocell in the detector. The external security lights will only be activated if it is dark and thereby saves energy.

**Yellow = Manual Override** - the external security light will now remain on irrespective of detector status - useful for barbecues or when working outside in the dark for long periods

**Yellow = Lighting Activated** - the external security lights have been activated by a detector and will remain on for the pre set time

**Yellow = Timer Active** - the external security lights are on because the Timer 1 or Timer 2 options are programmed to be active.

## The DygiZone Control and Monitoring Status can be set individually for each Zone as follows-

1. Pressing a Zone button selects the Zone to be set up. The LED's and the LCD display icons will display the current status e.g. Green LED and stick man means auto more has been selected.
2. A second press on the same button will now light the red LED (green LED turns off). The musical note icon will now show on the LCD plus a microphone symbol if voice message has been selected.
3. Pressing the zone button again will turn off all the LED's and icons.
4. Press once more and the yellow LED lights and the light bulb icon displays in the LCD. This now sets the DygiZone to manual mode for that specific zone and the lights will come on and stay on.
5. One more press and both the green and the red LED's come on indicating that audible and automatic mode have been selected.

## LOCKING THE KEY PAD

Locking the key pad prevents accidental programme or settings changes.

**To Lock** - press and hold down the Zone buttons 1 and 4 at the same time - a single beep will be heard and the spanner symbol on the keypad will flash to confirm that the key pad is locked.

**To unlock** - repeat the action and two beeps will be heard, and the spanner symbol will disappear

## When a PIR detector in a zone is triggered, the following zone information is displayed -

LCD Information and Text

- ✓ PIR text will flash for approximately 8 seconds for that zone
- ✓ The blue LCD backlight will come on for about 6 seconds during the trigger state and will remain on after the trigger has occurred.
- ✓ The text remains on for a time duration (time-on) equal to the time that has been pre-set in the Mins Setting.

If the DygiZone is triggered during the hours of darkness:

- ✓ The external security light will also be activated for the pre-set time.
- Note:** If another PIR activation occurs on any other zone then the text will be displayed for that new zone for the same pre-programmed time on duration

## Recording a voice message to audible indicate which zone has been activated

1. Press and hold the red button until the microphone symbol appears on the LCD
  2. Press the required Zone button once and then release. As you release the zone button a horizontal bar with ten segments will appear below the microphone symbol on the LCD. This indicates the amount of recording time available where each segment is equivalent to one second therefore a ten second message can be recorded.
  3. Speak into the microphone on the front cover of the DygiZone to indicate location (e.g. patio area, front door, side garden etc)
  4. When you have finished speaking into the microphone quickly press the zone button again ( there will be no audio beep).
  5. The recorded message will now automatically play back. If you are satisfied with the message do nothing but if you wish to re-record the message repeat steps 1 to 5.
  6. Press and hold down the red button until the microphone symbol appears in the LCD and then release.
  7. Now press and continue to hold down the zone button for which the voice message is to apply, until an audible beep is heard-release the zone button and the programming has been completed.
- The voice message mode can be confirmed by pressing the the zone button once and a microphone symbol will appear on the LCD if audible mode has been pre-selected.

**Note 1:** the normal default status for sensor activation is an audible beep. i.e. one beep for Zone 1, two beeps for Zone 2 and so on.

**Note 2:** it is possible to mix both audible beeps and recorded messages. e.g. Zone 1 could be in beep and Zone 2 could be in recorded voice playback.

To change from a voice message to a beep, repeat Steps 6 & 7.

## ENGINEER PROGRAMMING

Whichever Zone requires adjustment, press and hold down that Zone button until the programming options show on the LCD display. The ZONES number will be flashing on the LCD display, to change this option press UP button until the required number is showing then press the RED button. If no adjustment is required press the RED button. This will store the change and more on to adjust the TIME MINS. Repeat the above process until all changes have been completed then press and Zone button to exit programming.

If no buttons are pressed for 30 seconds the DygiZone will automatically exit the programming mode.

## SELECTING THE NUMBER OF ACTIVE ZONES

1. Press and hold down the Zone 1 button this will enter programming mode.
2. The Zone number will flash and can be changed using the up arrow button.
3. Press the red button to confirm the number of Zones.  
Unused zones will be cleared i.e. no LCD information will display and no LED's will work for that Zone. An audible beep will be heard if any of the unused Zone buttons are pressed, but no action will be taken.
4. Press Zone 1 button to exit the programming mode.

## SETTING THE TIME THAT THE LIGHTS STAY ON

When a detector is triggered and if that Zone has been set to the automatic mode (green LED), the lights will turn on and stay on for the time programmed using the TIME setting in the programme software. This can be selected to be 1,2,3,4,5,8,12,16 or 24 minutes using the red and arrow buttons, When set simply press any of the Zone buttons to exit the programming mode.

## OPTIONAL DYGIZONE SLAVE CONTROLLERS

Up to two additional DygiZone controllers can be connected to the system, additional Expansion Units or power supply will be required to provide the 12 Volt supply. Only the Master controller can be used to set the programmed options but different voice messages can be recorded on the remotely located Slave controllers. The keypad can also be locked on the Slave controllers otherwise the slaves will mimic the Master.

Changing a button selection on the Master DygiZone will instantly change the settings on the Slave controllers.

Changing a button selection on either of the Slave controllers will instantly change the setting on that Slave and the master, the setting on the other Slave will change within one minute. It is recommended that the DygiZone which will be used the most should be configured as the master.

## SETTING THE SENSITIVITY OF DETECTORS (PULSE COUNT)

The number of beams (pulse count) that need to be triggered before an alarm output activates can be set at 1,2 or 3 can be selected. **Note:** when using a DygiZone with GJD detectors where the pulse count is set on the detector itself, **ensure that the detector pulse count is set to 1.** This will apply to D-TECT, OPAL ELITE and OPAL RFX GJD detectors, but does not apply to the OPAL XL detector

## Mode Settings

One of five modes can be programmed for each Zone.

**Mode 1 -24 hr** = Lights operate day and night with detection when auto is selected

**Mode 2 - Link (Zone 1)** = Detectors on Zone 1 also activate lights on Zone 2 when auto is selected

**Mode 2 - Link (Zone 2)** = Detectors on Zone 2 also activate lights on Zone 1 when auto is selected.

**Mode 2 - Link (Zone 3)** = Detectors on Zone 3 also activate lights on Zone 4 when auto is selected.

**Mode 2 - Link (Zone 4)** = Detectors on Zone 4 also activated lights on Zone 3 when auto is selected.

**Mode 3 - 24-L** = Outside light will operate day and night with detection according to the Link settings above.

**Mode 4 - STD** = Outside lights will only operate at night with detection. Detectors on that Zone will only operate that zone.

**Mode 5 - ALL** = All lights on all Zones that have Mode 5 selected are activated at night with detection from any Zone with Mode 5 selected. Any Zones with ALL selected will be treated as a group.

## TSEC OUTPUT

When this option is selected on the GJD Expansion Unit, the TSEC output will provide a 12 Volt positive switched signal for the selected time (in seconds) i.e. 1,5,10,20 or 30 secs.

## SETTING THE CLOCK TO 12HR OR 24 HR MODE OR TO CLOCK OFF DISPLAY

The clock display must be set to 24hr before the clock time can be set. Use the red and arrow buttons to advance and to set the clock mode. If 12hr mode is selected, AM and PM symbols will automatically appear. The clock can also be selected to display 24hr time or not to display time (clock off)

**Note:** the two timers for each zone will automatically display the time in the format as selected above.

If the power is turned off and then on without holding down the Zone 1 & 4 buttons, both the illuminated zone LED's and programme setting will also remain as they were prior to power down - the clock display will however be reset to 00:00.

## SETTING THE CLOCK

1. Press and hold down any Zone button until the LCD icon for that Zone appears and that Zone button is flashing blue. (the number of zones connected will also be flashing i.e. the number 1,2, or 4)
2. Press the red button six times and the hour digits will begin to flash.
3. Set the hours by using the up arrow and press the red button again to set the hour required.
4. The minute digits will now begin to flash - set the minutes in the same way as the hours. Now press the red button.  
Now that the clock is set to the correct time, exit the clock set-up mode by pressing any of the zone buttons. The time will now display on the LCD clock.

## SETTING THE VOLUME

The volume can be adjusted by turning the potentiometer in the rear of the controller.

## WALK TEST

Walk Test Mode has to be selected for each Zone that is being walk tested. In this mode, as each detector is activated, the audible beep will sound & relevant Zone & PIR Number is displayed on the LCD. The external lights connected to that Zone will turn on for 4 seconds each time a beam is crossed. Each Zone has to be tested individually.

When in programming mode (i.e. after pressing and holding one of the Zone buttons until the LCD display icons show) use the red button to scroll to the flashing hand icon.

Select the walk test mode by pressing the up arrow when the hand icon is showing. The blue LED flashes all the time until the walk test mode has been exited.

To exit walk test mode press the red button once - an audible beep will be heard. The DygiZone will automatically cancel the walk test mode after five minutes from last trigger.

### SWITCHING THE LIGHTS ON & OFF AT PRE-SET TIMES IN EACH INDIVIDUAL ZONE

Each Zone can be programmed to automatically switch the external lights on & off at pre set times. Each Zone has two programmable timers - T1 & T2.

1. Using the red and arrow buttons, advance to the T1 ON time. When the hour digits being to flash, enter in the hour at which you want the lights to turn on, press the red button, repeat for the minutes and press the red button again to set the time. Repeat for the T1 OFF Time and repeat for the T2 timer.

Note: if the timers are not required, they should be set to 01:00 for on and off times (default settings).

### DEFAULT SETTINGS

When you purchase a DygiZone it has already been pre-programmed with suggested parameteres which are DEFAULT settings.

To return the DygiZone to its default settings - the programming mode,use the red button to scroll to the DEFAULT text icon and when flashing select press the up arrow key.

**Caution:** this will return all settings to default and will also reset the clock

#### Default settings are:

Zones active = 4	Light on time = 1 minute
Pulse count = 1	T seconds = 5
Clock mode = 24 hr	Mode = 4

### POWER-UP RESET - REVERTS TO DEFAULT SETTINGS

This would normally be initiated by a qualified electrician or security systems installer.

Remove power from the DygiZone. Remove battery from master controller.

Press and hold down both Zone 1 & 4 button and then re-apply the power. The clock will be reset and the programme will revert to default settings where all the Zones are set to audible and auto modes i.e. the red and green LED's will be lit on all Zones. Replace battery.

**Note:** after a power down & power up, the detectors connected to the GJD expansion Unit will not activate for the following 2 minutes.

### MAINTENANCE MODE

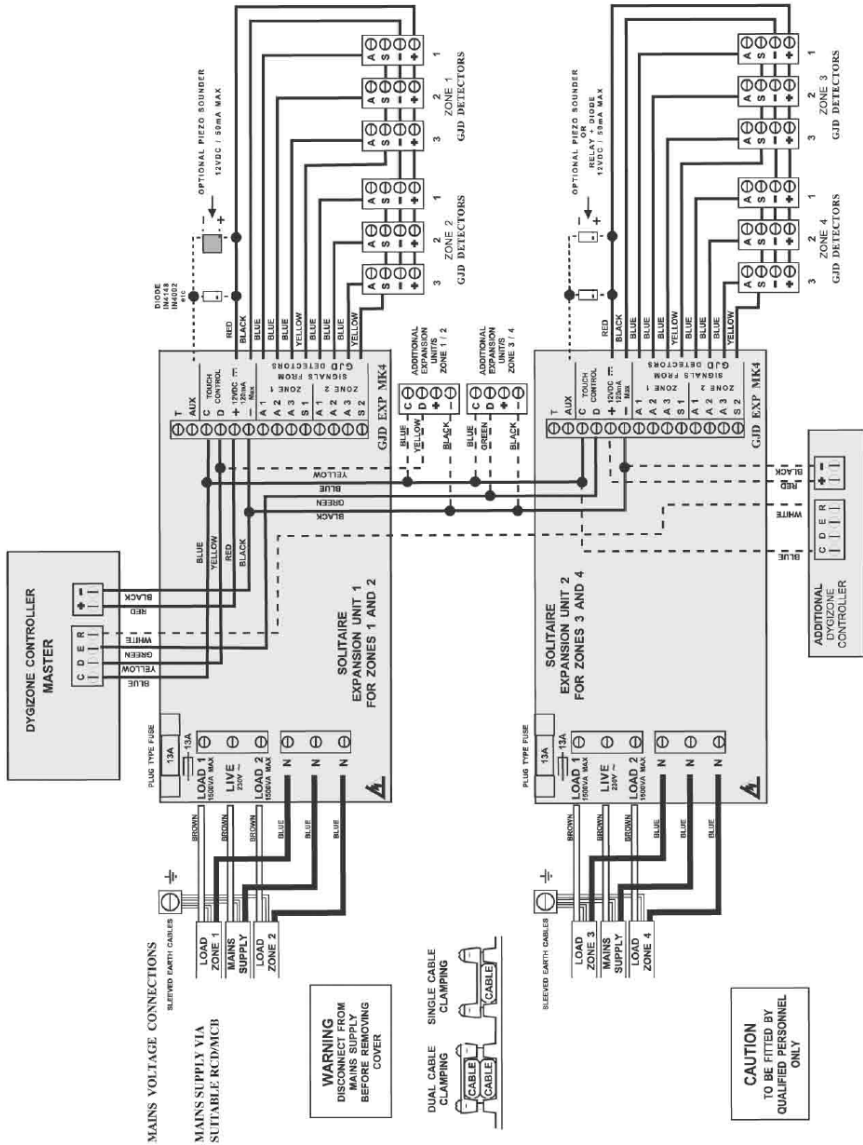
The spanner icon flashes when the keypad is locked and is steady when the supply voltage to the DygiZone is outside the specification i.e.-below 9 volts or more than 14 Volts.

**IMPORTANT: if the keypad is not locked and the spanner icon is showing steady, please call a maintenance engineer.**

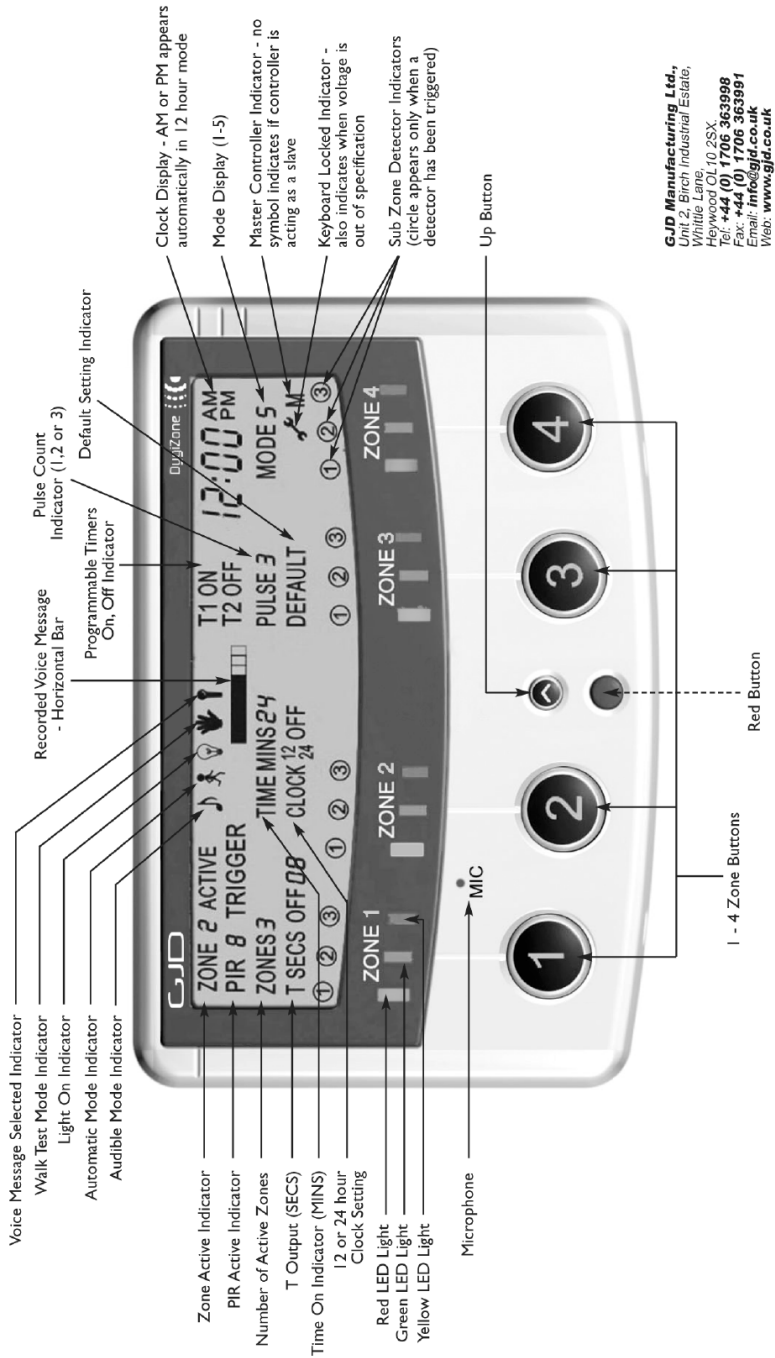
## SPECIFICATIONS

- Supply:** 12 VDC @ 20mA standby.  
100 mA triggered with message playback
- Display:** Blue back-lit LCD display showing real time clock,detector activation and zone status
- Audible:** Internal warning tone with individual tones for each zone or selectable 10 second voice recordable message for each zone
- Control:** Four individual zone buttons for selecting zone status and programming options
- System configuration:** Normally 1 Master and 1 Slave DygiZone, One additional Slave can be added if r required. Requires GJD Expansion Units.
- Time Control:** Two individual on/off timers per zone
- Mounting:** Indoor use only, Mount in a clean dry location. Can be mounted on a standard single or double flush back box
- Temperature:** -10°C to +55°C
- Dimensions:** 190g NET, 260g GROSS
- NOTE:** If the two Expansion Units are not powered simultaneously a 4.7K $\Omega$  resistor needs to be placed between +ve 12 volt and Data "E" on the DygiZone connections

# Wiring Diagram



# Displays & Controls

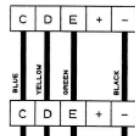


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# 4 ZONE EXPANSION UNIT WIRING DIAGRAM

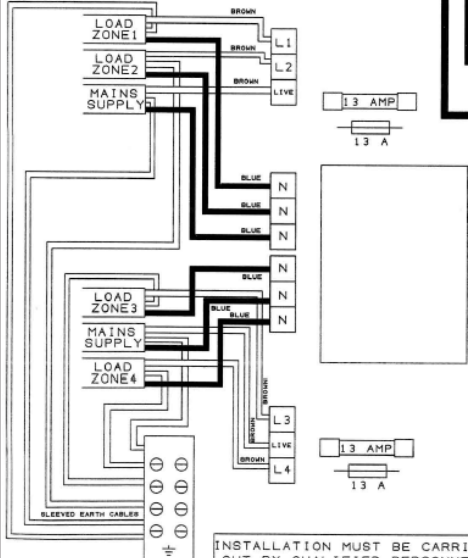
**WARNING**  
DISCONNECT ALL  
MAINS SUPPLIES  
BEFORE REMOVING  
COVER

ACTIVATE LIGHTS  
 FROM ALARM  
 PANEL



ADDITIONAL 4 ZONE  
 EXPANSION UNITS

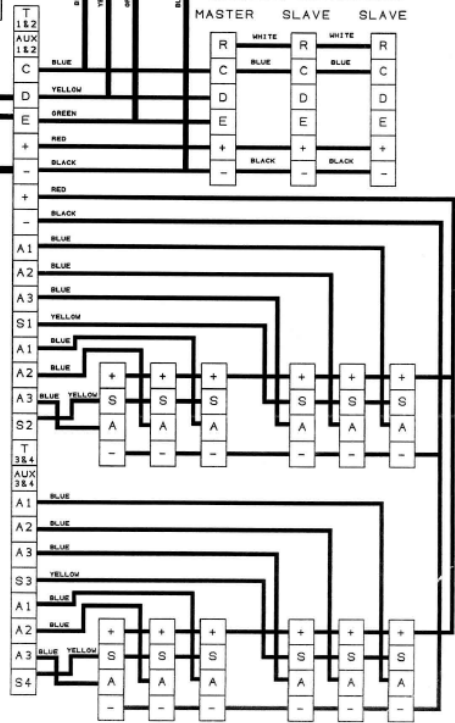
DYDIZONE / SOLITAIRE  
 LIGHTING CONTROLLERS  
 MASTER SLAVE SLAVE



INSTALLATION MUST BE CARRIED  
 OUT BY QUALIFIED PERSONNEL  
 AND COMPLY WITH CURRENT  
 IEE REGULATIONS

GJD RESERVE THE RIGHT TO AMEND  
 SPECIFICATIONS WITHOUT PRIOR NOTICE

www.gjd.co.uk  
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 sales: 01706 363998  
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Display will show **Exit Delay**  
**Instant**

Press 3 to change to 30 seconds, Press 6 to change to 60 seconds, Press 0 to return to instant.  
Press ENTER to save your selection.

#### **HOW TO SET THE ARM DELAY SOUND:**

(Factory Default – Silent.)

Select whether you want a silent or audible sound on any arm delay.

**Quick guide: Press 1 2 3 4 > PROGRAM > 7 > ENTER > 1 > ENTER**  
**(1 = Audible; 0 = Silent)**

1. Key in the four digit user Password code (Factory Default 1234).
2. Press PROGRAM > 7 > ENTER

Display will show **Exit Delay Sound**  
**Silent**

Press 1 to change to Audible, Press 0 to return to Silent.  
Press ENTER to save your selection.

#### **HOW TO SELECT WHETHER AN OUTPUT IS 5 SECOND MOMENTARY (PULSED) OR TOGGLE LATCHING:**

**(FIRST ACTIVATION LATCHES OUTPUT ON, SECOND ACTIVATION TURNS IT OFF)**

(Factory Default – Momentary.)

**Quick guide: Press 1 2 3 4 > PROGRAM > 8 > ENTER > 1 > ENTER > N > ENTER > 1 > ENTER**  
**(N = Output 1,2,3 or 4; 0 = Timed; 1 = Latched.)**

1. Key in the four digit user Password code (Factory Default 1234).
2. Press PROGRAM > 8 > ENTER > 1 > ENTER

Display will show Output

Press 1 to program Output 1, Press 2 to program Output 2, etc.

Display will show **Output 1**  
**Timed**

Press 1 to Latching Toggles, Press 0 to return to instant.  
Press ENTER to save your selection.

#### **HOW TO SELECT THE TIME OF A PULSED MOMENTARY OUTPUT:**

(Factory Default – 5 Seconds.)

**Quick guide: Press 1 2 3 4 > PROGRAM > 8 > ENTER > 2 > ENTER > N > ENTER > Time > ENTER**  
**(N = Output 1,2,3 or 4 Alarm sound time is from 1 minute – 99 minutes)**

1. Key in the four digit user Password code (Factory Default 1234).
2. Press PROGRAM > 8 > ENTER > 2 > ENTER

Display will show **Timed Pulse Time**

Press 1 to program Output 1, Press 2 to program Output 2, etc.

Display will show Output Time  
5 Seconds

Press digits 1-9 to create a time in seconds that you wish to select as the time for that output to activate.  
Press ENTER to save your selection.

#### **HOW TO SELECT WHETHER AN OUTPUT IS EVENT (TRIGGER ACTIVATED) AS WELL AS USER ACTIVATED:**

(Factory Default – User Activated Only)

**Quick guide: Press 1 2 3 4 > PROGRAM > 8 > ENTER > 3 > ENTER > N > ENTER > 1 > ENTER**

**(N = Output 1,2,3 or 4; 0 = User Activated only; 1 = User + Event/Trigger Activated.)**

1. Key in the four digit user Password code (Factory Default 1234).
2. Press PROGRAM > 8 > ENTER > 2 > ENTER

Display will show **Output Type**

Press 1 to program Output 1, Press 2 to program Output 2, etc.

Display will show **Output Type**  
**User**

Press 1 to select Output as activating on Trigger 1 (if selected, Output 1 will then activate on activation of Trigger 1, Repeat to program Output 2 activating on Trigger 2, etc.). Press 0 to return to User Activation only.

Press ENTER to save your selection.

## **HOW TO TURN THE COMMUNICATOR ON/OFF LOCALLY OR REMOTELY**

**How to turn the Communicator ON: (Default ON. That means the Communicator will always be active or ON when power is first applied or re-applied to it. Turn OFF to program and then turn back ON and leave ON)**

**From the Communicator: Quick guide: Press 1 2 3 4 > ENTER**

1. Check that the voice message and at least one phone number has been programmed into the Communicator.
2. Press 1 2 3 4 ENTER. The Communicator will show "ON" on the display.
3. The triggers will become active after the delay time you have set has expired (Default 0 seconds or instant).



**From a Telephone: Quick guide: Call the Communicator and Press 1 2 3 4 > #**

1. Check that the voice message and at least one phone number has been programmed into the Communicator.
2. Call the Communicator (telephone number of the SIM card that has been installed). You will hear a long "beep" to indicate that the Communicator has answered. The Communicator's display will read "Call in".
3. Press 1 2 3 4 (4 digit code) followed by the # key. You will hear 2 beeps to indicate that the Communicator has been turned on and the Communicator will automatically hang up.
4. The triggers will become active after the delay you have set up has expired (default set at 0 seconds, instant).



**From a Text Message: Quick guide: Text the Communicator with 1 2 3 4 ># then press the return key**

1. Check that the voice message and at least one phone number has been programmed into the Communicator.
2. Text the Communicator (telephone number of the SIM card that has been installed) with the message: 1 2 3 4 # - ensure you then press the return key before pressing send so the cursor on your phone is flashing on the next line. The Communicator's display will briefly show a number, being the number of texts it has received to date.
3. The triggers will become active after the time you have set has expired (default set at 0 seconds, instant).





### **How to turn the Communicator OFF: or to stop it dialling out.**

**From the Communicator: Press 1 2 3 4 ESC – Communicator will show OFF on the display. This will also stop calls being sent out after it has been triggered.**



**From a Telephone: Quick guide: Call the Communicator and press 1 2 3 4 > \***



1. Call the Communicator (telephone number of the SIM card that has been installed). You will hear a long “beep” to indicate that the Communicator has answered. The Communicator’s display will read “Call in”.
2. Press 1 2 3 4 (4 digit code) followed by the \* key. You will hear 4 beeps to indicate that the Communicator has been turned off and the Communicator will automatically hang up.

**From a Text Message: Quick guide: Text the Communicator with 1 2 3 4 >\* then press the return key.**



Text the communicator (telephone number of the SIM card that has been installed) with the message 1 2 3 4 \* - ensure you then press the return key before pressing send so the cursor on your phone is flashing on the next line. The Communicator’s display will briefly show a number, being the number of texts it has received to date.

### **HOW TO STOP THE COMMUNICATOR DIALLING THE TELEPHONE NUMBERS IN SEQUENCE:**

**Quick guide: When the phone is answered, Press <#> or <\*> on the receiving end’s telephone keypad to stop the dialling sequence.**

When the Communicator starts dialling, it will dial the first telephone number and repeat the pre-recorded voice message three times. The number dialled will appear briefly on the display and the display will then show the Telephone Number, in sequence, being called. If there is no response or acknowledgement (# or \* pressed) from that number, then it will dial the next number until all the programmed numbers for that trigger are dialled. If there is no acknowledgement from any of the phone numbers, it will display “NO ANSWER”.

To stop this dial sequence, press the <\*> key on the telephone keypad that is receiving the call. At that time, the Communicator will stop its dialling sequence and the alarm (if programmed) will stop. If the local alarm has been programmed as active, then pressing the <#> key will stop the dialling sequence, but the alarm will continue to sound until timed out. In both cases, the Communicator will remain ON, waiting for any further trigger.

You can also stop the dial sequence at the Communicator’s keypad by entering the 4 digit code and pressing ESC. This will turn the Communicator OFF.



### **HOW TO OPEN “LISTEN-IN”**

When answering a Voice Message from the Communicator: **Quick guide: Press 9**

1. If you wish to open “Listen-In” at any time, whilst receiving a voice message from the Communicator, press 9 on your telephone keypad.
2. To close the “Listen-In”, simply hang up.



From a telephone: **Quick guide: Call the Communicator and Press 1 2 3 4 > 9**



1. Call the Communicator (telephone number of the SIM card that has been installed). You will hear a long "beep" to indicate that the Communicator has answered. The Communicators display will read "Call In".
2. Press 1 2 3 4 (4 digit code) followed by the 9 key to open "Listen-In". To close, simply hang up.

## **HOW TO RETURN THE COMMUNICATOR TO FACTORY DEFAULT SETTINGS**

(Note: this can only be done when the Communicator is in the OFF mode.)

From the Communicator: **Quick guide: Press 1 2 3 4 > ESC > ENTER > 1 2 3 4 > ESC > ENTER**

1. Ensure the Communicator is in the OFF mode.
2. Press 1 2 3 4 > ESC > ENTER. The display will read "Factory Default" – Press 1 2 3 4 > ESC > ENTER again to confirm you wish to return to Factory Default Setting.

## **HOW TO TURN THE OUTPUTS ON AND OFF**

The GJD710 has 4 Outputs that can be programmed:

1. User only (default setting) or Event Follower + User . "Event Follower" means Output 1 activates when trigger 1 is activated, Output 2 when trigger 2 is activated, and so on.
2. Whether the output is a 5 second pulsed momentary output or a toggle latching output. "Toggle Latching Output" means that the output remains ON until a further command turns it OFF again. Note: if the output has been programmed as a momentary output, a further programming section selects whether it remains On for a time between 1 and 99 seconds before automatically turning Off.

### **User Activation of the Outputs**

**From the Communicator: Quick guide: Press 1 2 3 4 > 0 > 1 (the number of the output).**

1. Press 1 2 3 4, followed by 0, followed by the number 1-4, being the number of the output you wish to turn ON (Output 1 in this example).
2. The Communicator will show "Output 1" on the display.
3. The output will become active for the time which has been programmed (a time of between 1 and 99 seconds if the output has been programmed as a momentary output or latching On until turned Off if it has been programmed as a latching output).
4. To turn a Latching output off, Press 1 2 3 4, followed by 0, followed by the number 1-4, being the number of the output you wish to turn off.

## **HOW TO INITIATE AN IMMEDIATE TEST CALL OR TEST SMS FROM THE GSM COMMUNICATOR**

If you wish to receive a Test Voice Call, you will first need to record a Test Message. See "How to record the Voice Messages" on Page 4. If you wish to receive a Test SMS, you will first need to create a Test SMS (see Page 4). The Test Call or SMS will be sent to those telephone numbers you have selected (default is all numbers will receive a test call). Select whether you wish numbers to receive a Test Voice Call only, Test SMS only or both Voice Call and SMS (see Page 5). You can cancel continued dial-out of the immediate Voice Message Test Call in the usual way by pressing \* or # on your phone.

From a telephone: **Quick Guide: Call the Communicator and press 1 2 3 4 > 5**

1. Check that the Voice Test Call message and at least one phone number has been programmed into the Communicator.
2. Check whether you wish all or some programmed telephone numbers to receive such Voice Test Call message (default is all numbers).
3. Check whether you wish the telephone numbers to receive a Voice Test Call Message only or an SMS as well as a Voice Test Call Message (default is a Voice Test Call Message only). If you wish any telephone numbers to receive an SMS stating "Test", program such numbers to receive an SMS as well (see Page 5).
4. Call the Communicator (telephone number of the SIM card that has been installed). You will hear a long "beep" to indicate that the Communicator has answered. The Communicator's display will read "Call In".
5. Press 1 2 3 4 (4 digit code) followed by the 5 key. The Communicator will hang up and the selected telephone numbers will then shortly receive an SMS first (if programmed to receive the same) followed by a Voice Test Call message.



## **OTHER USEFUL INFORMATION**

### **HOW TO TEST THE GSM NETWORK SIGNAL STRENGTH:**

Whilst the Communicator is in the OFF mode (enter 4 digit code, default 1234 + ESC key), press ENTER to display the network reception quality on the LCD display. A number between 0 and 7 will appear. The strongest reception quality is 7. The Communicator should only be installed in a location where the signal strength display shows 2 or above. Move the Communicator to a different location if the number is 1 or below. You can continue to check the network reception strength at any time provide the Communicator is in the OFF mode. Note that you can also check signal strength by calling the Communicator and entering your code + 7 once it has answered. The Communicator will then send an SMS with current signal strength to Phone No 1 as programmed.

### **HOW TO CHANGE THE BACK-UP BATTERY (IF USED):**

**Important:** It is recommended to change the back-up battery pack at least once a year, even if not low.

1. First make sure that the Communicator is OFF. Then release it from the wall.
2. Remove the battery door and remove the old battery. Re-insert a new 9V BATTERY (Lithium recommended).
3. Re-fit the battery door and hang the Communicator back on the wall.

### **Note of Caution:**

1. Do not mount the Communicator in areas that are exposed to extreme heat or moisture, as this could adversely affect the performance of the system.
2. Use only a damp cloth and general household cleaning agent to wipe the unit clean. Do not use turpentine, thinners, gasoline or similar substances to clean the unit.

## TROUBLE SHOOTING

Q	I have connected the Communicator to an Alarm Panel. The panel has activated, but there is no message appearing on the Communicator's LCD display and it is not dialling out.
A	<p>Check the following carefully:</p> <p><b>I.</b> Does the Communicator have a 12V supply – either from the panel or via a 500ma 12V mains adaptor?</p> <p><b>II.</b> Does the Communicator have a SIM card fitted? The words "On GSM Ready" should be showing in the display to indicate that a SIM card has been fitted and that a network has been found.</p> <p><b>III.</b> Have you fitted your SIM card correctly? The SIM card must be fitted firmly into the holder in the correct orientation.</p> <p><b>IV.</b> Have you made the correct connections to the Trigger 1 and 2 inputs (either switched negative or relay)?</p> <p><b>V.</b> Is the Communicator On/Armed? Remember that if you have been programming, then it will have been in the Off mode and you will have to go back to On/Armed mode again. Enter your 4 digit code + Enter to turn On/Armed.</p> <p><b>VI.</b> Has your SIM card been disabled by the Network Provider? Most Pay-As-You-Go SIM cards will be disabled after a certain period if they are inactive. Some Network Providers now also require voice usage rather than text usage to continue activation. Check first whether the Network Provider you are using accepts a regular text message to continue activation and over what period of time. Then enable a Self-Test Text Message (see Pages 4 &amp; 6). If your Network Provider requires voice usage only, consider changing Providers or use a Contract SIM.</p>
Q	The Communicator's input has been activated correctly and a message has appeared in its display to indicate this, however, the voice message is not being received by the number it is meant to be dialling.
A	<p>Check the following carefully:</p> <p><b>I.</b> Have you activated the correct Communicator trigger? You may have programmed different numbers to call out for Trigger 1 and Trigger 2.</p> <p><b>II.</b> See Page 4: have you entered the correct telephone number to call and/or entered a wrong digit by mistake?</p> <p><b>III.</b> If you think the Communicator should be dialling a particular number, have you actually de-selected that number for that trigger by mistake? (see Pages 4 &amp; 5) To check the numbers that are being dialled in sequence for Trigger 1, press 1234 (code) &gt; Program &gt; 6 &gt; Enter &gt; 1. You should now see various numbers between 1 and 0 illuminated. If a number is unlit it means it is not being dialled for Trigger 1. Toggle numbers on/off by pressing that number on the keypad. <u>A number must be shown if it is being dialled for that trigger.</u></p>
Q	The Communicator's input has been activated correctly and a message has appeared in its display to indicate this, however, it is not then dialling out and an error message is appearing on the LCD display
A	<p>Check the following carefully:</p> <p><b>I.</b> Have you programmed at least one telephone number to the Communicator? If the Communicator is showing a "no answer message" in the display it means no telephone number has been programmed. Press 1234(code)+ESC to exit. Then, go to Page 4 and enter at least one telephone number as instructed.</p> <p><b>II.</b> Have you deleted a telephone number by mistake? See Page 4 - To check whether the 1st telephone number you think you have programmed in is in the Communicator's memory correctly, Press 1234(code)&gt;Program&gt;3&gt;Enter&gt;1&gt;Enter. You should now see that telephone number. Press Enter again to Exit programming. If you don't see a telephone number there, enter the number again and press Enter to exit. <b>DO NOT PRESS ESC TO EXIT AS THIS WILL DELETE THAT NUMBER.</b></p> <p><b>III.</b> Have you de-selected a number to be dialled out in sequence for that trigger by mistake? See Pages 4 &amp; 5 - To check the numbers that are being dialled in sequence for Trigger 1, press 1234(code)&gt;Program&gt;6&gt;Enter&gt;1. You should now see various numbers between 1 and 0 illuminated. If a number is unlit, it means it is not being dialled for Trigger 1. Toggle numbers on/off by pressing that number on the keyboard. A number must be shown if it is being dialled for that trigger.</p> <p><b>IV.</b> Is the Communicator in a location where it can obtain a good GSM signal? Check the Network signal strength by pressing ENTER (you can do this whilst the Communicator is both in the ON and OFF modes). The Communicator should be installed in a location where the signal strength displayed shows at least 2 or above. Move the Communicator to a different location in the premises or use an alternative network SIM card.</p>
Q	I can't cancel the remote dial-out remotely by pressing, on the remote telephone hand-set, either * (cancel dial out and alarm sound if programmed) or # (cancel dial out only, alarm sound will continue until time out).
A	Have you waited until the message has ended? You cannot cancel until it has been played to you at least once.

# ENGINEER NOTES

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