Displays & Controls

Voice Message Selected Indicator

Walk Test Mode Indicator

Light On Indicator

Automatic Mode Indicator

Audible Mode Indicator

Recorded Voice Message - Horizontal Bar

Pulse Count Indicator (1,2 or 3)

Programmable Timers On, Off Indicator

Default Setting Indicator

Zone Active Indicator

PIR Active Indicator

Number of Active Zones

T Output (SECS)

Time On Indicator (MINS)

12 or 24 hour Clock Setting

Red LED Light

Green LED Light

Yellow LED Light

Microphone

Clock Display - AM or PM appears automatically in 12 hour mode

Mode Display (1-5)

Master Controller Indicator - no symbol indicates if controller is acting as a slave

Keyboard Locked Indicator - also indicates when voltage is out of specification

Sub Zone Detector Indicators (circle appears only when a detector has been triggered)

Up Button

1 - 4 Zone Buttons

Red Button

DygiZone

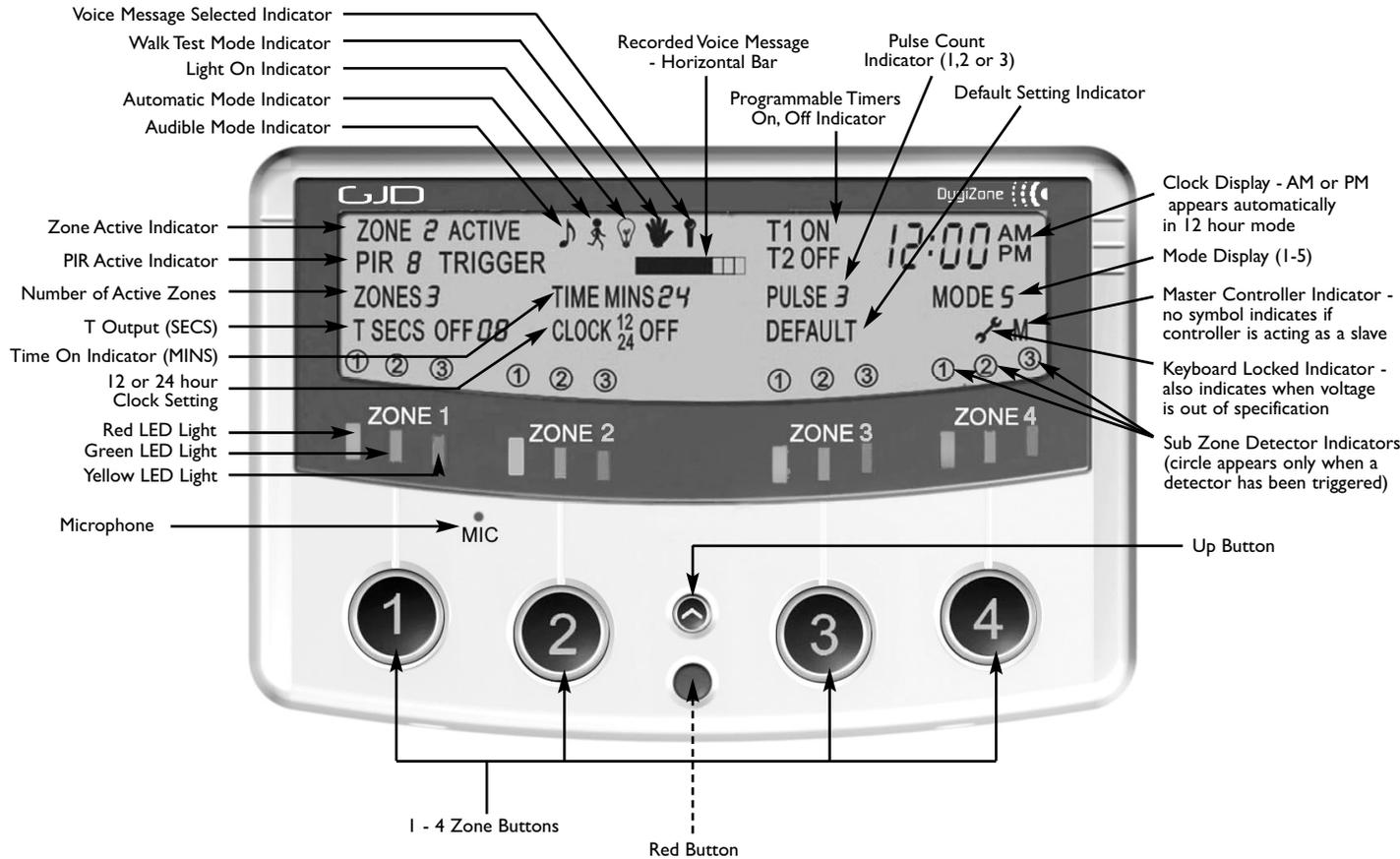THE ADVANCED MULTI-FUNCTION, 4 ZONE, SECURITY LIGHTING CONTROLLER & ENUNCIATOR

USER MANUAL

GJD
TAKE CONTROL

Power up the DygiZone and you will see -
✔ All the LED's (red, yellow, green and blue buttons) will flash
✔ All 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 if 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.

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 numbers 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 PIRs have not been activated-
✔ The large circular blue Zone buttons (1-4) will not be illuminated.
✔ LCD blue backlight will be switched off.
✔ 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 and 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 mode 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
All of these are more fully described below -

LED lights explained
Red = **Audible Mode** - either beep mode 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 barbeques 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

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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 mode 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 & 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 setting changes.
To lock - press and hold down 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 audibly 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.
You now need to set-up each recorded message for the appropropriate zone -
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 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 the 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 move on to adjust the TIME MINS. Repeat the above process until all changes have been completed then press any Zone button to exit programming.
If no buttons are pressed for 30 seconds the DygiZone will automatically exit the programming mode.

Setting the clock to 12 hr or 24 hr mode or to Clock Off Display
The clock display must be set to 24 hr before the clock time can be set. Use the red and arrow buttons to advance and to set the clock mode. If 12 HR mode is selected, AM and PM symbols will automatically appear. The clock can also be selected to display 24 hour 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 settings 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, 3 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.

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, the on & off times must be on the same day as each other and must not cross 00:00. 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 begin 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).

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