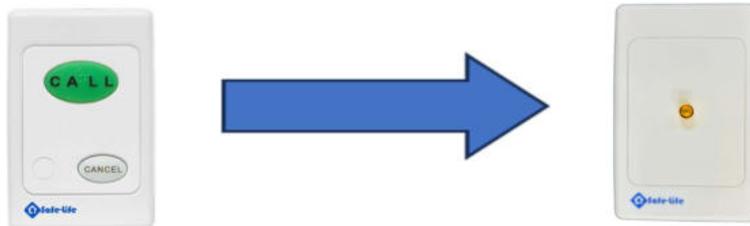# Safe-Life Basic Toilet Alarm Kit & Systems Installation Handbook

Your comprehensive guide to specifying and installing Safe-Life Toilet Alarms, Overdoor Lights, and its wide range of Optional Facilities.

Introduction: Toilet Alarm Systems for Safety & Compliance

Safe-Life Toilet Alarm Kits are designed to provide **instant emergency assistance in bathrooms and disabled toilets**. Ideal for **schools, aged care facilities, hospitals, clinics, medical centres and public restrooms**, these systems ensure help is always accessible.

The basic kit includes:

- A Safe-Life Call-Point with backlit [Call] button
- 12V Plug-Pack power supply [or]
- Alternative UPS 12v plug-pack with up to 12-hour battery back-up
- Overdoor light with integrated piezo sounder.

See attached Diagram 1 & Parts List

Optional enhancements are available for larger or more complex installations as below: -

- Mushroom Head (twist to release) slave call-points
- Multiple call-points and multiple overdoor light/buzzer assemblies
- Multiple toilet (or other) locations
- Remote (Admin) light/buzzer facilities
- Connection to security & building management systems
- Connection of alerting light or light and sound Strobes
- Call-point level connection of UHF wireless modules [or]
- Area level wireless module connection
- Connection of LED colour Alphanumeric Annunciators
- Connection of Alphanumeric Pagers

See attached Diagrams 2, 3 & Parts List

How the Basic System Works: Call, Assist, and Cancel

1. **Call** – Press the silicon [Call] button (Braille-marked and anti-bacterial).
2. The call-point beeps and the LED flashes once as a reassurance.
3. Connected overdoor light + buzzer assemblies continue to flash/buzz until call cancelled
4. **Assist** – An attending carer can press [Call] + [Cancel] buttons simultaneously to identify that Assistance is required.
5. **Cancel** – Press [Cancel] button to terminate alarms on the call-point and all connected overdoor lights.

Coverage: Call-points can connect by cable to overdoor lights up to **400 meters** away.

Key Features & Options

1. Call Button Customization
- Colours: Green [Call] (default), Red [Emergency], Yellow [Assist]
- Ensure the correct option is specified at purchase.

2. Mushroom Head Slave Call Point
- Mechanical Press-to-Latch, Twist-to-Release
- Choice of Green or Red call button
- Ideal for toilet locations as an **extension to a main call-point**
- Must connect to a Master call-point or similar local control unit

3. Special UPS 12V Plug-Pack
- Provides **up to 12 hours backup** during power outages

4. Cord Pendant Connection
- Hygienic cord Pendent for disabled persons, clinics, or recovery beds
- Connects via a 6.5mm socket on a master call-point

5. Overdoor Light/Buzzer Options
- Superbright LED: Yellow (default) or Red
- Multiple light/buzzers recommended (e.g., outside the toilet, at reception)

6. Enclosures & Waterproofing
- Surface mount enclosures for tiled walls are available
- Waterproof gaskets for IP63 splashproof protection are available
- Specify requirements at time of purchase

7. Strobe or Relay Connection
- 12V output during call to trigger strobes or external alarms

8. Building Management & Security Integration
- Momentary contact closure triggers external systems (security, fire, BMS)

9. Wireless Module Upgrade
- UHF wireless modules convert system from wired to wireless
- Supports alphanumeric Pagers and LED + Tone Annunciators
- Ideal for **schools, clinics, and aged care facilities**

Installation Guidelines

- System supplied as a working sample pre-wired sample for quick installation
- Call-Point Flush or Surface mounting options available – advise preference
- Ensure cable lengths do not exceed **400 meters**
- All devices should be installed as per included diagrams

Recommended Applications

- **Disabled toilets** – Schools, Shopping Centres, Hospitals, Clinics & Hotels
- **Sick bays & recovery rooms** – Clinics, schools and medical facilities
- **Aged care & assisted living** – For staff reassurance and resident safety
- **Public restrooms** – Compliance with local safety regulations

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Maintenance & Troubleshooting

- Test call-point and overdoor lights regularly
- Replace batteries in UPS plug-pack annually
- Clean silicone buttons with mild disinfectant
- Check wiring and connections for signs of wear

Conclusion

Safe-Life Toilet Alarm Kits are installed across Australia in Clinics, Medical Centres, private hospitals, universities, schools, and aged care facilities to ensure disabled toilet safety compliance.
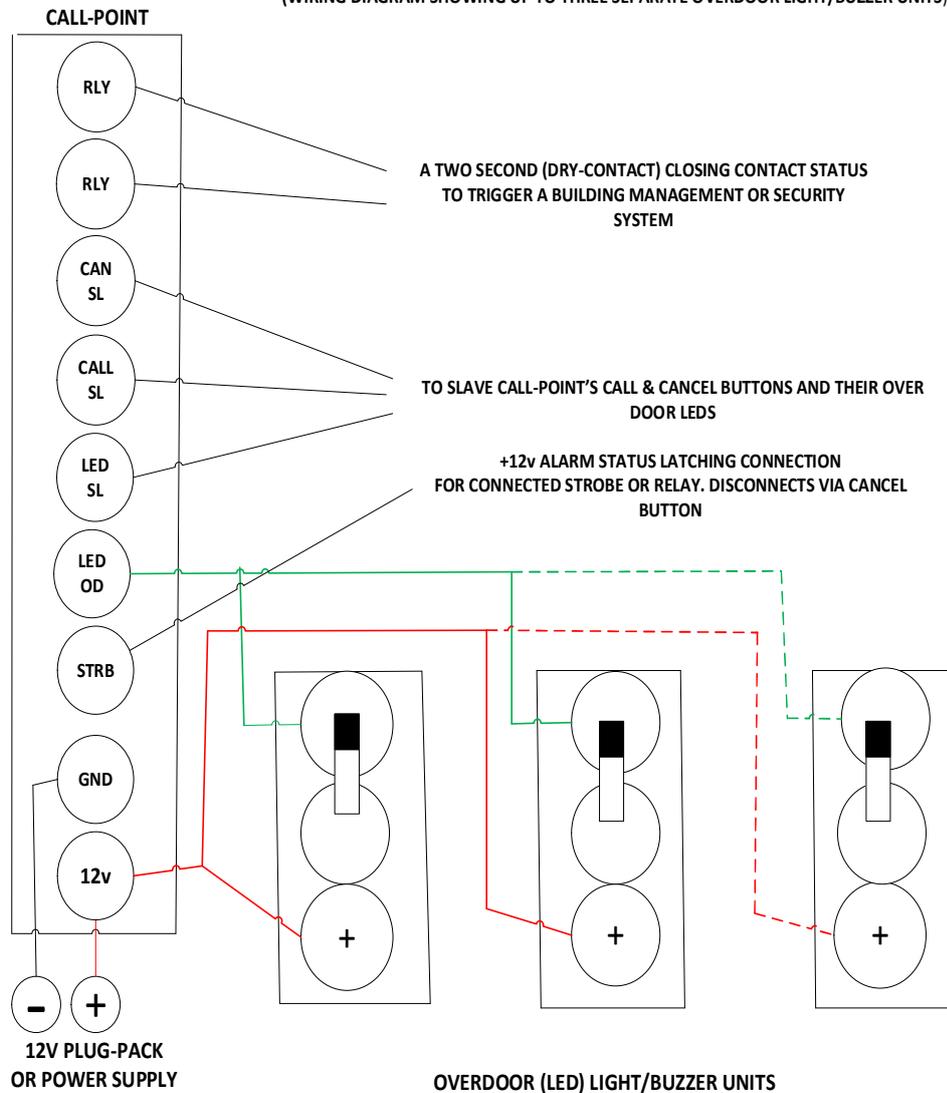
They have proved **reliable, customizable, and compliant with accessibility standards**, offering peace of mind in every facility.

**SEE FOLLOWING PAGES FOR VARIOUS INSTALLATION DIAGRAMS
PLUS ILLUSTRATED & SYSTEM COMPONENTS LIST**

SAFELIFE SINGLE TOILET HARD-WIRED EMERGENCY CALL-SYSTEM
(WIRING DIAGRAM SHOWING UP TO THREE SEPARATE OVERDOOR LIGHT/BUZZER UNITS)

CALL-POINT

RLY

RLY

CAN SL

CALL SL

LED SL

LED OD

STRB

GND

12v

A TWO SECOND (DRY-CONTACT) CLOSING CONTACT STATUS TO TRIGGER A BUILDING MANAGEMENT OR SECURITY SYSTEM

TO SLAVE CALL-POINT'S CALL & CANCEL BUTTONS AND THEIR OVER DOOR LEDS

+12v ALARM STATUS LATCHING CONNECTION FOR CONNECTED STROBE OR RELAY. DISCONNECTS VIA CANCEL BUTTON

12V PLUG-PACK OR POWER SUPPLY

OVERDOOR (LED) LIGHT/BUZZER UNITS

DIP SWITCH SETTINGS
1. ASSIST - Normally off. [ON] will make a FAST CADENCE LED Flash rate.
2. PIEZO - Normally on. [OFF] will silence the call-point Piezo. (It has no effect on overdoor light Buzzer)
3. TWIST - Normally off. [ON] will accommodate a "Twist Release mushroom head" call-point.
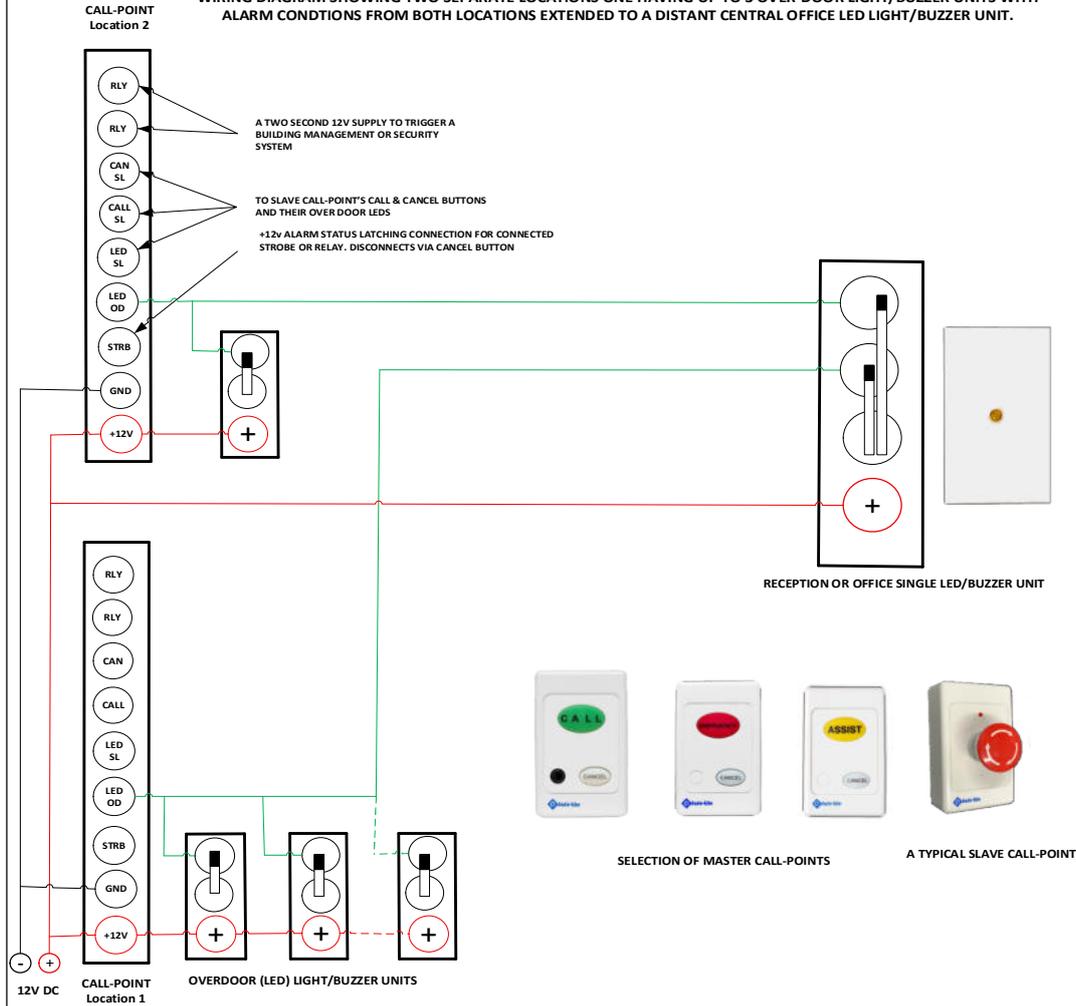4. MIRROR Normally off. N/A

WIRING DIAGRAM FOR SAFELIFE TOILET ALARM KIT SHOWING REMOTE CONNECTION ARRANGMENTS
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DIAGRAM 1

SEE OVERPAGE FOR MULTIPLE TOILET SYSTEM

MULTI-TOILET HARD-WIRED EMERGENCY CALL-SYSTEM

WIRING DIAGRAM SHOWING TWO SEPARATE LOCATIONS ONE HAVING UP TO 3 OVER-DOOR LIGHT/BUZZER UNITS WITH
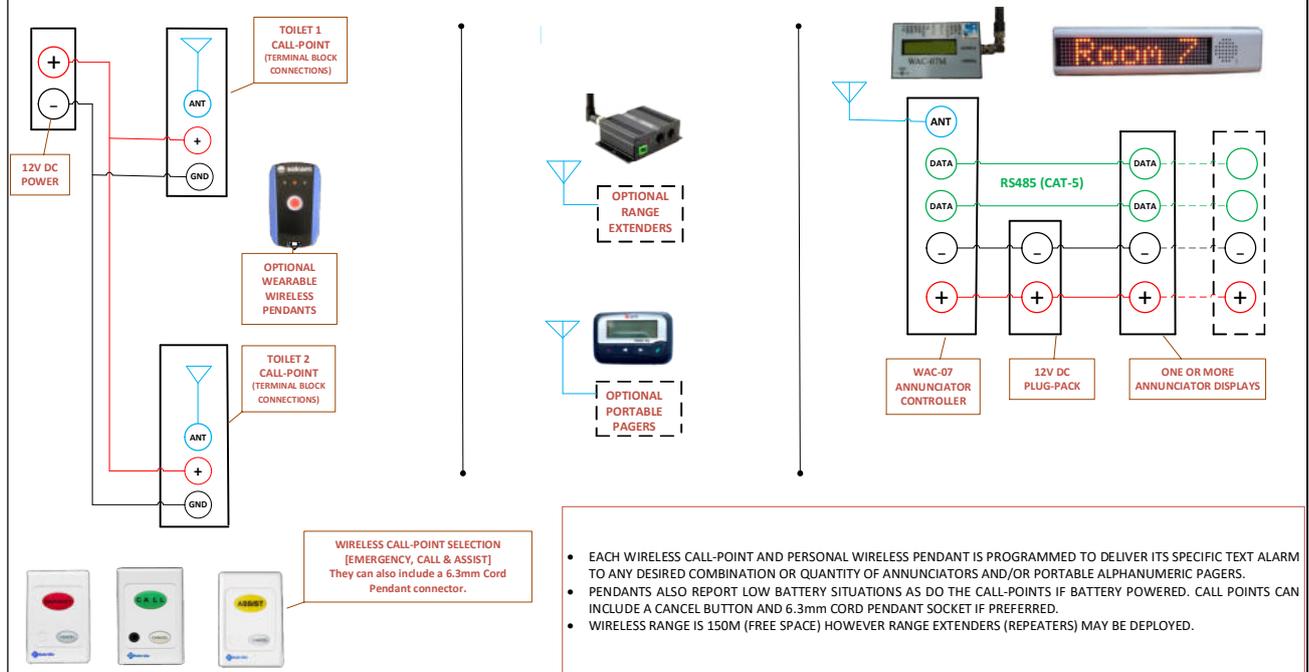ALARM CONDTIONS FROM BOTH LOCATIONS EXTENDED TO A DISTANT CENTRAL OFFICE LED LIGHT/BUZZER UNIT.

CALL-POINT Location 2

RLY
RLY
CAN SL
CALL SL
LED SL
LED OD
STRB
GND
+12V

A TWO SECOND 12V SUPPLY TO TRIGGER A
BUILDING MANAGEMENT OR SECURITY
SYSTEM

TO SLAVE CALL-POINT'S CALL & CANCEL BUTTONS
AND THEIR OVER DOOR LEDS

+12v ALARM STATUS LATCHING CONNECTION FOR CONNECTED
STROBE OR RELAY. DISCONNECTS VIA CANCEL BUTTON

RECEPTION OR OFFICE SINGLE LED/BUZZER UNIT

CALL-POINT Location 1

RLY
RLY
CAN
CALL
LED SL
LED OD
STRB
GND
+12V

12V DC

OVERDOOR (LED) LIGHT/BUZZER UNITS

SELECTION OF MASTER CALL-POINTS

A TYPICAL SLAVE CALL-POINT

CALL-POINT DIP SWITCH SETTINGS
1. ASSIST - Normally off. [ON] will make a FAST CADENCE LED Flash rate.
2. PIEZO - Normally on. [OFF] will silence the call-point Piezo. (It has no effect on overdoor light Buzzer)
3. TWIST - Normally off. [ON] will accommodate a "Twist Release mushroom head" (Slave) call-point.
4. MIRROR Normally off. [OFF] Only used where a connected slave call-point needs to mirror LED functions.

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DIAGRAM 2

SEE OVERPAGE FOR ABOVE SYSTEM
USING WIRELESS MODULES CONVERTING THE SYSTEM TO WIRELESS
AND WITH ANNUNCIATOR AND PAGER OPTIONS

TYPICAL WIRELESS EMERGENCY CALL-SYSTEM WITH A SELECTION OF OPTIONAL WIRELESS CALL-POINTS AND WEARABLE WIRELESS PENDANTS COMMUNICATING TO VARIOUS PAGERS & ANNUNCIATORS
(Diagram shows call-points externally powered, however in most situations they are each internally battery powered)

12V DC POWER

TOILET 1 CALL-POINT (TERMINAL BLOCK CONNECTIONS)

OPTIONAL WEARABLE WIRELESS PENDANTS

TOILET 2 CALL-POINT (TERMINAL BLOCK CONNECTIONS)

OPTIONAL RANGE EXTENDERS

OPTIONAL PORTABLE PAGERS

RS485 (CAT-5)

WAC-07 ANNUNCIATOR CONTROLLER

12V DC PLUG-PACK

ONE OR MORE ANNUNCIATOR DISPLAYS

WIRELESS CALL-POINT SELECTION [EMERGENCY, CALL & ASSIST] They can also include a 6.3mm Cord Pendant connector.
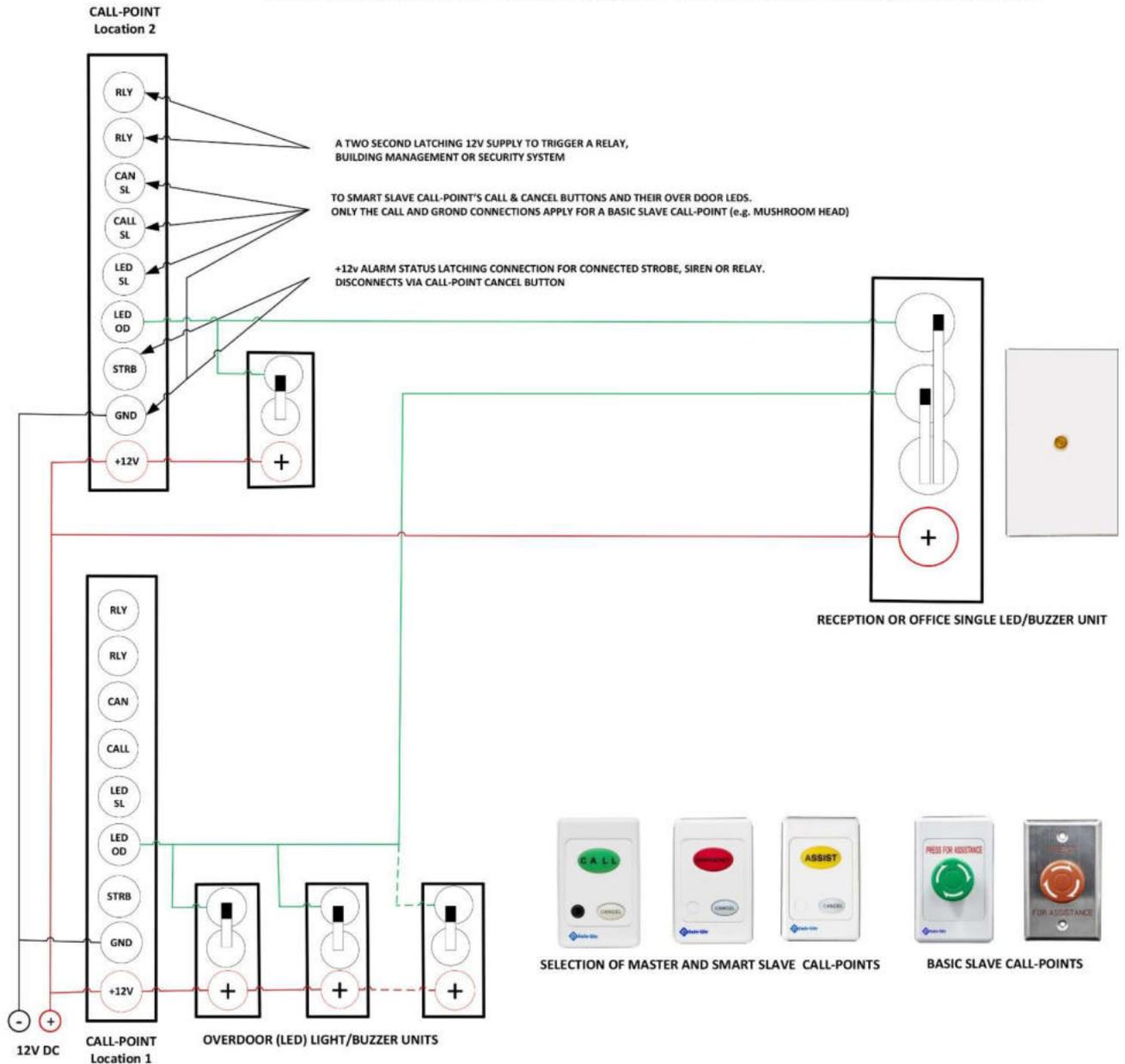
- EACH WIRELESS CALL-POINT AND PERSONAL WIRELESS PENDANT IS PROGRAMMED TO DELIVER ITS SPECIFIC TEXT ALARM TO ANY DESIRED COMBINATION OR QUANTITY OF ANNUNCIATORS AND/OR PORTABLE ALPHANUMERIC PAGERS.
- PENDANTS ALSO REPORT LOW BATTERY SITUATIONS AS DO THE CALL-POINTS IF BATTERY POWERED. CALL POINTS CAN INCLUDE A CANCEL BUTTON AND 6.3mm CORD PENDANT SOCKET IF PREFERRED.
- WIRELESS RANGE IS 150M (FREE SPACE) HOWEVER RANGE EXTENDERS (REPEATERS) MAY BE DEPLOYED.

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DIAGRAM 3

MULTI-TOILET HARD-WIRED EMERGENCY CALL-SYSTEM

WIRING DIAGRAM SHOWING TWO SEPARATE LOCATIONS ONE HAVING UP TO 3 OVER-DOOR LIGHT/BUZZER UNITS WITH
ALARM CONDTIONS FROM BOTH LOCATIONS EXTENDED TO A DISTANT CENTRAL OFFICE LED LIGHT/BUZZER UNIT.

NOTE. To include Pager and/or Annunciator displays a UHF wireless transmitter will be required at each location

CALL-POINT Location 2

RLY
RLY
CAN SL
CALL SL
LED SL
LED OD
STRB
GND
+12V

A TWO SECOND LATCHING 12V SUPPLY TO TRIGGER A RELAY,
BUILDING MANAGEMENT OR SECURITY SYSTEM

TO SMART SLAVE CALL-POINT'S CALL & CANCEL BUTTONS AND THEIR OVER DOOR LEDS.
ONLY THE CALL AND GROND CONNECTIONS APPLY FOR A BASIC SLAVE CALL-POINT (e.g. MUSHROOM HEAD)

+12v ALARM STATUS LATCHING CONNECTION FOR CONNECTED STROBE, SIREN OR RELAY.
DISCONNECTS VIA CALL-POINT CANCEL BUTTON

RECEPTION OR OFFICE SINGLE LED/BUZZER UNIT

CALL-POINT Location 1

RLY
RLY
CAN
CALL
LED SL
LED OD
STRB
GND
+12V

12V DC

OVERDOOR (LED) LIGHT/BUZZER UNITS

CALL   CANCEL
ASSIST
PRESS FOR ASSISTANCE
FOR ASSISTANCE

SELECTION OF MASTER AND SMART SLAVE CALL-POINTS

BASIC SLAVE CALL-POINTS

CALL-POINT DIP SWITCH SETTINGS

1. ASSIST - Normally off. [ON] will cause "fast cadence" LED flash rate. (This disables the normal two-button "Assist" function.
2. PIEZO - Normally on. [OFF] will silence the call-point Piezo. (It has no effect on overdoor or remotely connected Piezo buzzers).
3. TWIST - Normally off. [ON] for the connection of a "Twist Release mushroom head" (Slave) call-point.
4. MIRROR Normally off. [OFF] is only used when an LED fitted slave call-point needs to mirror LED functions.

DIAGRAM 4

SEE OVERPAGE FOR RANGE OF SYSTEM COMPONENTS

SAFE-LIFE SYSTEM COMPONENT SELECTION

ITEM	PT. NUMBER	DESCRIPTION	IMAGE
		RANGE OF HARD-WIRED & WIRELESS CALL-POINT OPTIONS	
1	N-ALARM-POINT-CP (Add other Suffixes as required)	**Master Hard-Wired Call-Point** with Call & Cancel buttons without 6.3mm accessories socket. Use Button colour suffix [R] Red, [G] Green or [Y] Yellow.	
2	N-ALARM-POINT-P (Add other Suffixes as required)	**Master Hard-wired Call-Point**. As above but with 6.3mm socket [Use Suffix P]	
3	N-ALARM-POINT-SLAVE (Add other Suffixes as required)	**Smart Slave Call-Point.** With appearance as above models and using the above range of suffix requirements. This version can mirror the performance of above range of Master call-points.	
4	N-MUSH-G N-MUSH-R	**Mushroom Head Twist to Cancel Call-Point.** Red or Green Button. (Discuss if special requirements are preferred).	
5	H-MCP-01 [W] (Add other Suffixes as required)	**Wireless Module fitted within above Master Call-Points.** A UHF Wireless Module Fitted & Programmed.	
6	H-SAL-PET-01 H-SAL-PET-02	**Single & double button Wireless Pendant** Waterproof with Battery and necklace. [02 version provides call and cancel]	
7	A-SILICON-1-M-3M	**Silicon Pendant -** with 3M lead, pillow clip, and 6.3mm Mono Plug.	
8	N-SCP-H1G-CM-01	**Ceiling Mount Pull Cord** with Red LED indicator	
		RANGE OF HARD-WIRED & WIRELESS MONITORING OPTIONS	
9	N-OD-LED-01-TB-PIEZO	**Single-LED Over-Door Light/Buzzer** (Use Suffix [R] Red, [G] Green or [Y] Yellow for LED Bezel colour.)	
10	N-OD-LED-02-TB	**Dual-LED Over-Door Light/Buzzer.** (Use Colour Suffix as listed above) (Other LED configurations also available	
11	N-STROBE-BLUE-01 N-STROBE-SIREN-01	**12v dc Blue Strobe Light** Also, as above but with a 110db siren.	
12	A-PAGER-7950-UHF	**Alphanumeric Pager –** Alphanumeric large display with Battery and Holster	
13	N-WAC-07	**Wireless Input & Annunciator Controller** with UHF Receiver module, Antenna, and plug-pack.	
14	N-BESTLITE-SS-08	**Annunciator 8-Character** Single-sided full colour LED display with mounting brackets and adjustable sound. (Double-sided also available).	
15	N-BESTLITE-SS-01	**Annunciator 16-Character** (As above), Double-sided also available.	
16	N-BESTLITE-SAT-01	**Satellite sounder with Speaker (**Instead of an Annunciator or for additional area Alert sound reinforcement.	
17	N-SAL-REPEATER-01	**Range Extender** (UHF Repeater with antenna & Plug-Pack)	
18	N-UPS-12V	**UPS Plug-Pack 12v 16W power back-up.** Providing many hours of power back-up	

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