SAFELIFE "SENTINEL-TAS" TOILET ALARM SYSTEMS
HARD-WIRED + WIRELESS

TOILET AREA CALL-POINTS & ACCESSORY OPTIONS

Master or Slave Call-Point with optional 6.3mm Pendant socket. The Slave and Master can have identical 'Mirror'

Optional plug-in Pendant with 3 Metre Cord.

Mushroom-Head Slave Call Point with "Twist Cancel" function.

Overdoor LED Light & Buzzer unit.

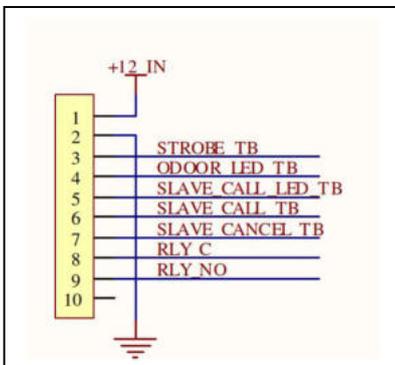## CENTRAL MONITORING TEXT & LAMP/BUZZER DISPLAY OPTIONS

8- or 16-Character LED Text & Tone Annunciator Displays.

Portable Pager/s
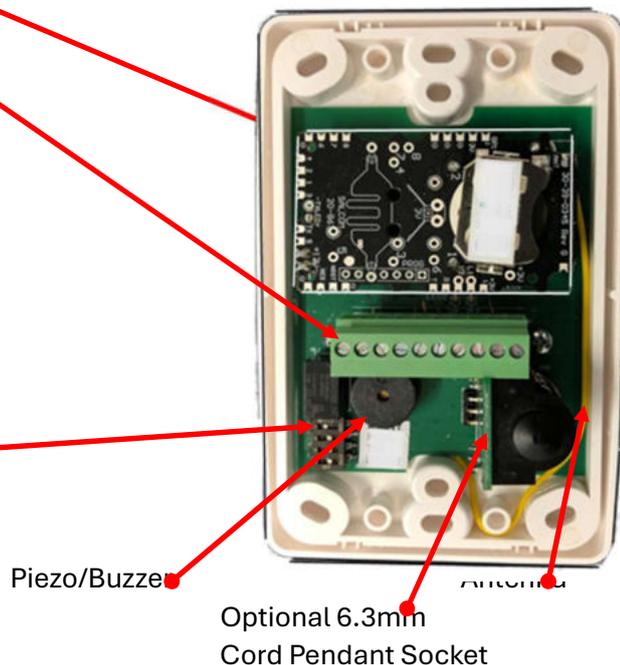
Central Office LED & Buzzer unit (showing 2 Locations)

CALL-POINT INTERNAL COMPONENT PARTS & ADJUSTMENT OPTIONS

Plug-in Wireless Transmitter Module
10-Way Terminal Connection Block


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+12_IN
1
2    STROBE TB
3    ODOOR LED TB
4    SLAVE_CALL_LED_TB
5    SLAVE_CALL_TB
6    SLAVE_CANCEL_TB
7
8    RLY_C
9    RLY_NO
10
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4-Way DIP Switch Function Selector

No	FUNCTION	OFF	ON
1	ASSIST	N/A	N/A
2	PIEZO		
3	TWIST		
4	MIRROR		

Piezo/Buzzer

Optional 6.3mm
Cord Pendant Socket

Antenna

1. OVERVIEW DESCRIPTION

The "Sentinel" "C" Series call-point with its back-lit, anti-bacterial & anti-fungal silicon call button is a hard-wired ''call & cancel'' call-point with an optional 6.3mm Cord Pendant socket. It allows a wide range of hardwired interconnections to accommodate Slave Call-Points and single or multiple overdoor LED & Buzzer Alert units. It will also allow a distant LED/Buzzer assembly typically located at the front office or Reception to display the status of multiple alarm locations. When including a plug-in wireless module into each toilet location's master call-point, it will also allow one or more Alphanumeric Text Annunciator displays or mobile Pagers to be included within the overall monitoring arrangements.

All Call-Points are supplied suitable for flush wall mounting whereby the plaster has a cut-out for call-point 'within-plaster' mounting. However, a range of enclosures is available for surface mounting on hard surfaces or where waterproofing to IP66 level is required. All call-point mounting options are compatible with Clipsal/HPM mounting arrangements. Waterproof Gaskets are also available as required.

2. WIRELESS OPTION

The use of plug-in wireless modules will also allow the system to be deployed without the need for a cabling infrastructure other than the need to provide a 12v dc power source at each Toilet location.

3. MASTER CALL-POINT SET-UP PARAMETERS

In addition to the options allowed by interconnecting a range of ancillary items via the call-point's 10-way terminal block, it is also possible to set-up various system functionality. This is achieved via a 4-way Dip-Switch selector. These options are listed as follows: -

SWITCH 1 [ASSIST – NOW REPLACED].
This facility is disabled because it is possible to escalate or to create a high priority Assist level call by pressing both the call and cancel buttons simultaneously. An attending person/carer would typically do this if requiring Assistance. The Assist status can be identified by all connected Call-Point LED's and LED/Buzzer units flashing/buzzing at twice the normal alarm cadence rate.

SWITCH 2 [PIEZIO – ON/OFF]
This switch will enable or disable the Piezo/Buzzer located within the Master call-point. When enabled it will provide a momentary 'Beep' sound to reassure the user that the call has been processed. However, this momentary Beep only occurs on Master Call-Points. It is not available on Slave call-points.

SWITCH 3 [SLAVE "TWIST" CALL CANCEL – ON/OFF]
This is only used when a Slave Mushroom Head "Twist to Cancel" call point is connected as a Slave to a Master Call-Point. When this switch is enabled the "Twist Release' action simulates a cancel button function. The "Twist" [ON] selection should not be selected when Smart-Slave call-points are connected to the Master Call-point.

SWITCH 4 [MIRROR – ON/OFF]
This switch when [ON] allows any Smart Slave and its Master Call-point to "mirror" each other's actions regarding call status and LED call indication. However, to ensure that a person attending a call goes to the correct location one call-point cannot cancel the other's Alarm status. All normal and two-button Assist calls, and their LED functions are therefore cloned to function simultaneously.

If a Wireless module is fitted to the Master call-point it will also respond to a cloned/mirror function if the wireless transmitter is programmed accordingly.

4. FUNCTIONAL ANALYSIS

Master Call-Point [Call Button]
- [CALL] Pressing the master call-point's call button will generate an alarm condition and provide a single reassurance beep. The call-point's LED will also commence flashing as will any connected overdoor and remotely located LED alerts. Depending on the setting of Dipswitch 4 (Mirror) any Slave call-point having a LED indicator will also flash as a mirror function to the master call-point.

Master Call-Point [Cancel Button]
- [CANCEL CALL] Pressing the Cancel Button will cancel a call and return any LED and/or Buzzer alerts back to a normal quiescent condition.

- **[CLEANING MODE]** Pressing and holding the Cancel Button for 3 seconds when there is no active call in progress will place the call-point into its "Cleaning Mode" which will disable all call & cancel functions for 10 seconds to allow cleaning to occur without generating false calls.

- **[HIGH PRIORITY ASSIST]** Pressing both the Call and Cancel buttons simultaneously will generate a higher level [Assist Call]. This means that all connected LED and/or Buzzer devices will flash at twice the normal cadence rate. However, the wireless option with its associated Alphanumeric Pagers and Annunciators will not detect the double flash rate or show different text than a normal alarm call.

Master Call-Point [Accessories Socket]

The optional front surface fitting of a 6.3mm Mono/Stereo socket allows an Alarm to be triggered via a connected accessory such as a 3-meter cord Pendant or similar momentary closing contact accessory. SafeLife provides a wide range of compatible accessories to suit various applications.

Smart Slave Call-Point Functionality (Electronic Smart-Slave)

With the Master call-point's Switch 4 [MIRROR] set [ON] the above Master Call-point function will mirror and be mirrored by a Smart-Slave (electronically controlled) Call-Point.

Special Slave Call-Point or External Trigger (Typically a Mushroom Head Call-Point)

When using a Mushroom Head call-point or similar simple closing contact trigger device connected as a Slave call-point most of the above-listed Master call and cancel functions are available. This is subject to the Slave device having the necessary capability. In particular, the Mushroom Head call-point (should have its Master call-point's Switch 3 [SLAVE TWIST] enabled). This also enables the MIRROR functionality between the Master and Slave call points.

5. SPECIAL FUNCTION OUTPUTS

Relay Output

The Master Call-Point's onboard relay will close for 2 seconds in the event of a Normal or Assist Call. This is intended to allow a connection to a Security System or House Management System to be triggered in the event of an Alarm from this disabled person's Toilet system.

The selection of Normally Open [N/O - Pin 9] or Normally Closed [N/C - Pin 8] is provided via the Master call point's 10-way terminal block.

Strobe Output

This output is available from terminal [STROBE Pin 3] and will switch low for the duration of an Alarm condition thereby providing a 12v 2W output suitable for driving a Strobe/Siren or other device requiring an active Alarm contact which latches until the call is cancelled.

6. THE WIRELESS OPTION CONSIDERATIONS

The fitting of the wireless transmitter module to each location's Master Call-Point is a pre-programmed and pre-delivery requirement necessitating prior agreed system functionality. The transmitter is plugged into a suitably prepared Master call-point and will detect and transmit a standard (normal) Call and (if required and so programmed) the Cancel event.

The Transmitter plug-in module uses the protected UHF Paging band 450.3375 Mhz providing a typical free-space range of up to 150M. A Transceiver (Repeater) is also available with various Antenna options to extend the effective wireless coverage range.

7. BENEFITS OF ADDING WIRELESS.

Cableless Installations. Apart from ensuring the provision of a 12v dc supply at each toilet location, cable infrastructure is not otherwise required, thereby significantly reducing installation costs.

Providing Alphanumeric Text Displays

Where the system is installed solely for hard-wired cable interconnections it then relies on LED Lamp & Buzzer alerting. However, the Wireless option also allows radio communication to one or more mobile Alphanumeric Pagers and one or more fixed-location Text Message Annunciator Displays.

CONTACT SAFELIFE TECHNICAL DEPARTMENT FOR SYSTEM CABLE INFRASTRUCTURE DRAWINGS

8. PART NUMBER 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	**N-PLUG-IN-UHF-TX** (Use wireless call-point part-number as required)	**Wireless Module fitted within above Master Call-Points**. A UHF Wireless Module Fitted & Programmed.	
6	**N-SAL-PET-01** **N-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	**N-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-RANGE-EXTENDER**	**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	

Specifications and illustrations subject to change without notice