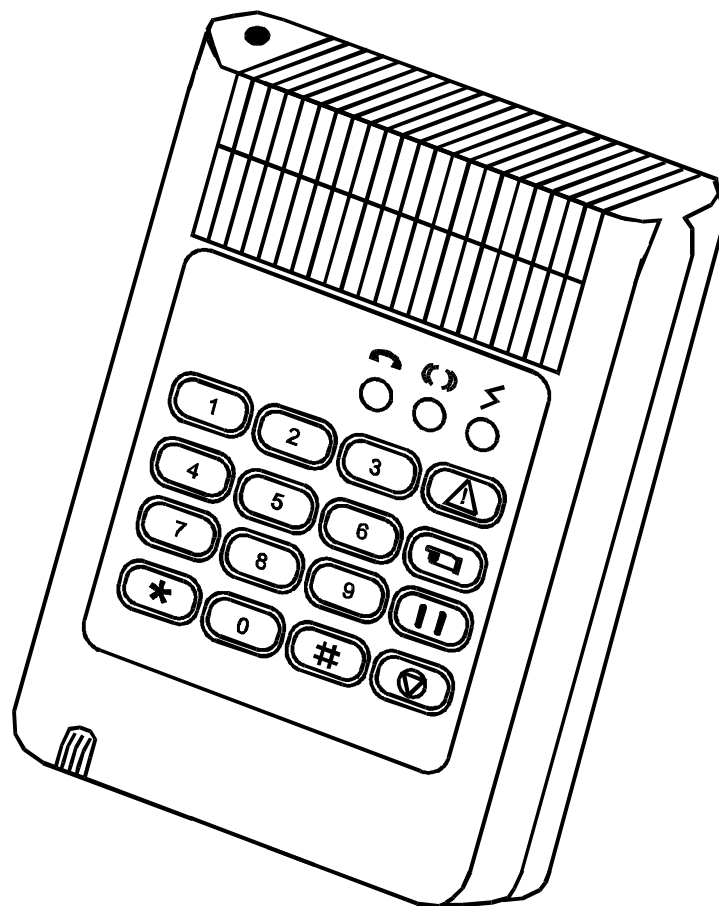# AUTODIALLER / QUICKDIALLER - SA132

INSTRUCTION LEAFLET
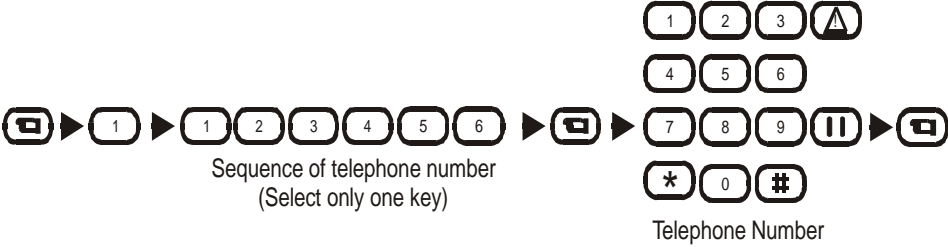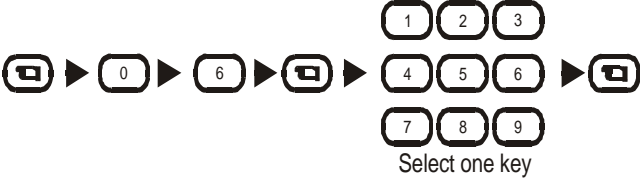

ENGLISH

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CONTENTS

1.   SETUP AT A GLANCE

How to...	Steps		
Record Emergency Messages	🔲 ▶ 📵 ▶ 🔲 - - - - - - 🔻 (Speak into microphone for 20 seconds max.)		
Play Back Emergency Messages	🔲 ▶ ⑤ ▶ 🔲 - - - - - - 🔻		
Record Telephone Numbers	🔲 ▶ ① ▶ ①②③④⑤⑥ ▶ 🔲 ▶ ①②③⚠ ④⑤⑥ ⑦⑧⑨⏸ ▶ 🔲 *⓪# Sequence of telephone number (Select only one key) Telephone Number		
Send a Test Call	🔲 ▶ ⑧ ▶ 🔲 ▶ ①②③④⑤⑥ ▶ 🔲 Sequence of telephone number (Select only one key)		
Select Auto Dialing Times	🔲 ▶ ⓪ ▶ ⑥ ▶ 🔲 ▶ ①②③ ④⑤⑥ ⑦⑧⑨ ▶ 🔲 Select one key		
Select Message Playing Duration	🔲 ▶ ⑧ ▶ 🔲 ▶ ①②③④ ▶ 🔲 Duration (Select only one key)	① = 50 sec. ② = 70 sec. ③ = 90 sec. ④ = 110 sec.	
Reset the System	🔲 ▶ ⏸ ▶ 🔲 ▶ ⚠ ▶ ⓪ ▶ 🔲		

2.   FOREWORD

The SA132 Autodialer / QuickDialer is an intelligent device designed to connect to any security alarm control panel, and it is compatible with any of the following Thermomax units - SM12, SM UNO, SM DUE, SM QUATTRO, LCT-2, SMX 100, etc.). The Autodialer / QuickDialer enables the dialer to call any phone numbers programmed to it when an emergency occurs. The recorded messages played during the phone calls will alert either the homeowner or a second party to take action.

The Autodialer / QuickDialer can memorize up to 6 telephone numbers of up to 32 digits each, and you can record emergeny messages of up to 20 seconds on the system to be played during the phone calls.

The Autodialer / QuickDialer can be programmed to call telephone units, mobile phones, pager and DISA (Direct Inward System Access) facilities.

Features:

• Built-in terminal block to connect to the alarm control panel for emergency alert.

• All phone numbers, emergency messages, and settings are stored in Non-Volatile Memory (NVM) permanently in case of power failure.

• Stores up to 6 telephone numbers (T1 - T6) with a maximum of 32 digits each.

• 20-second recording time for emergeny messages.

• In case of an emergency, press the ⚠ button on the Autodialer / QuickDialer, which will immediately start dialing the phone numbers for help.

• Detects dial tone, busy tone and ring back tone so as to perform auto dialing or auto redialing when the line is busy. Each phone number will be dialed for a maximum of 9 times.

• Alarm memory facility.

3. INSTALLATION

MOUNTING THE UNIT

To mount the unit on the wall, drill two holes for the 2 screws provided into the wall, leaving a 5cm space between them, and hang the unit on the screws as shown in Fig. 1.

MIC
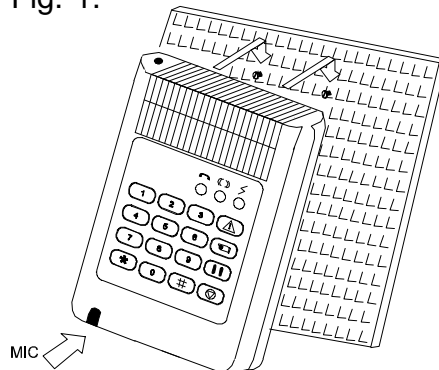
Fig. 1

CONNECTING TO TELEPHONE LINE (PARALLEL CONNECTION)

Insert the telephone line RJ11 jack to the Autodialer / QuickDialer's phone line socket. Connect the other end of the telephone line to the phone line socket on the wall. See Fig. 2.
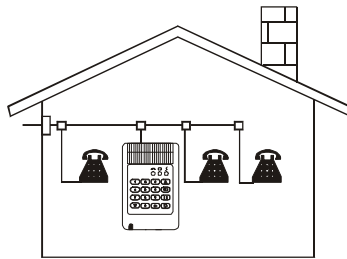
Fig. 2

CONNECTING TO POWER SOURCES

The Operating Voltage of the Autodialer / QuickDialer is 12V DC. Open the cover as shown in Fig. 3, and connect the Autodialer / QuickDialer to the 12V DC output of an alarm panel or 1 12V battery.

The QuickDialer is equipped with power input protection. When the +/- battery polarity is connected wrongly, the red LED on the QuickDialer will not illuminate.

PRESS
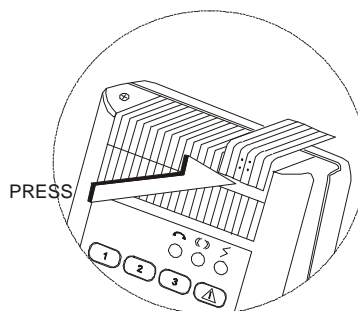
Fig. 3

CONNECTING TO A THERMOMAX UNIT

1. Connect the Autodialer / QuickDialer Connecting Wire, A7068, from the terminals labelled BATTERY on the Battery Backup System to the Autodialer / QuickDialer input, (as illustrated in the diagram below).

2. Now connect the N.O. trigger input of the Autodialer / QuickDialer to the alarm common (C) input of the Thermomax unit.

3. Connect the Autodialer / Quickdialer N.C. trigger input to the alarm N.C. output of the Thermomax unit.

4. Connect the Battery Backup System to the mains and switch on. Please refer to the set up instructions supplied with the Battery Backup System.

C0329 - BATTERY BACKUP SYSTEM

Fig. 4

On initial power up, the red LED will be lit and the yellow LED will flash indicating that the recorded message and telephone number have been erased. The yellow LED will extinguish when set-up is complete.

4.   KEYPAD AND INDICATORS

KEYPAD

$\triangle$ <PANIC> $\boxdot$ <SET> $\blacksquare\blacksquare$ <PAUSE> $\triangledown$ <CLEAR>
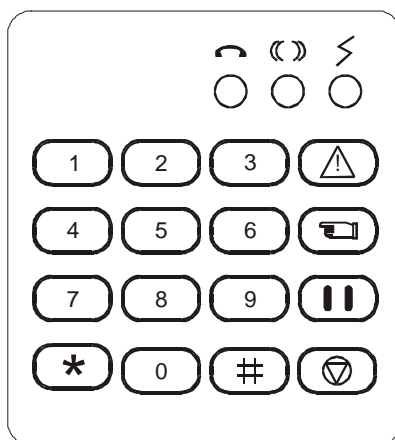
LED INDICATORS

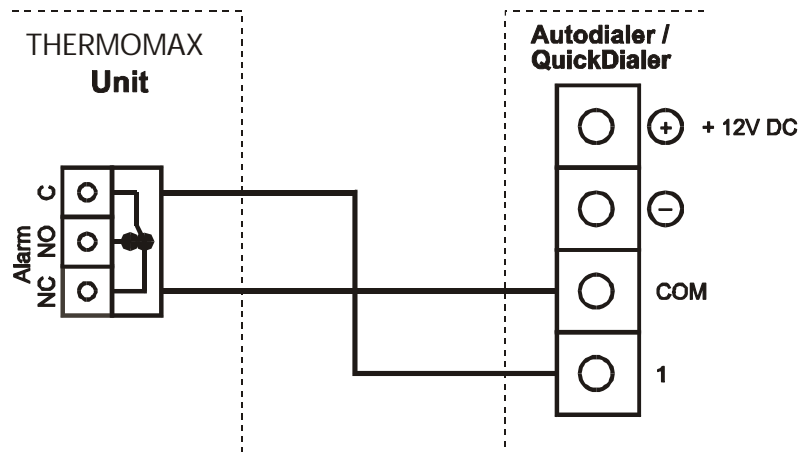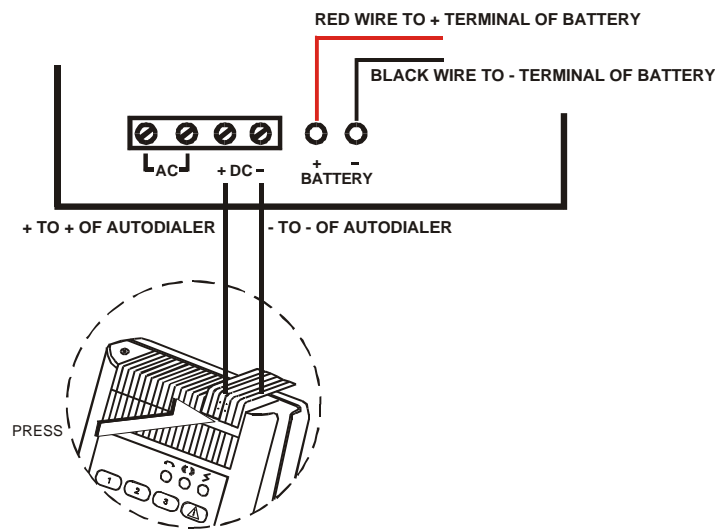| LED STATUS	⌒ ◯ GREEN	(( )) ◯ YELLOW	⚡ ◯ RED
OFF	OFF-LINE	STANDBY	POWER OFF
ON	ON-LINE	REC / PLAY	POWER ON
FLASH	DIALLING	INCOMPLETE SETTING OF RECORDED MESSAGE AND PHONE NUMBER	ALARM MEMORY

LED INDICATION DURING PROGRAMMING

- Each time any button is pressed, the Yellow LED will flash once to confirm the input.

- When you press the $\boxdot$ once, the Yellow LED will flash once, on the second press of this key, the Yellow LED will flash twice, and on the third press of this key, the Yellow LED will be on for 1.5 second, indicating the completion of a programming procedure.

- When pressing the $\triangledown$ key or if the next sequent key is not pressed over an interval of 10 seconds or there is an incorrect input, the Yellow LED will flash four times, indicating ans incorrect operation.

- When the red LED is flashing, the user cannot proceed with the

  programming. To reset the Autodialer / QuickDialer press the $\triangledown$ key, (the Red LED will illuminate continuously), you can then proceed with the settings.

6

5.   SETTING UP THE UNIT

EMERGENCY MESSAGES

1.   Recording Message
The Autodialer / QuickDialer has a built-in microphone enabling you to record the message phrases directly into the unit. As an example, the following phrases can be recorded as the emergency message:
"This is Mr. Smith, at 10 The Strand, East Fincham. The house alarm has been triggered, please send for help."

To record the message, press the keys ⌨ → # → ⌨ → and start speaking directly into the microphone. As the message ends, press the ▽ key to stop recording.

MICROPHONE

⌨ → # → ⌨ ————————————————— ▽
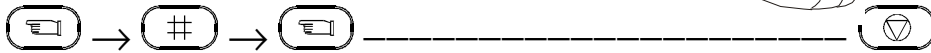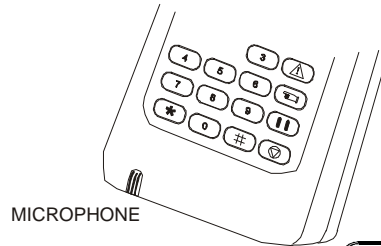
2.   Playing Back Message
Once the phrases have been recorded by the Autodialer / QuickDialer, they can be played back through the loudspeaker of a parallel connection telephone unit so that you can check the recorded messages. To play the recorded messages, do as follows:

⌨ → 5 → ⌨ ————————————————— ▽
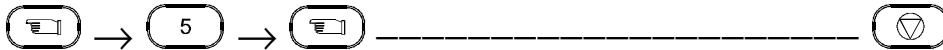
● While playing the message, the Yellow LED will illuminate simultaneously.

● To stop playing the message, simply press the ▽ key on the Autodialer / QuickDialer.

NUMBERS TO DIAL
Up to six telephone numbers can be memorized, with a maximum of 32 digits each.

1.   Telephone Number

⌨ ▶ 1 ▶ 1 2 3 4 5 6 ▶ ⌨ ▶ 7 8 9 ❙❙ ▶ ⌨

Sequence of telephone number
(Select only one key)

Telephone Number

7

- To revise the telephone numbers, repeat the previous procedure.
- To clear a recorded telephone number, do as follows:

$$\boxed{\text{☎}} \rightarrow \boxed{1} \rightarrow \underbrace{\boxed{1}\ \boxed{2}\ \boxed{3}\ \boxed{4}\ \boxed{5}\ \boxed{6}}\ \rightarrow \boxed{\text{☎}} \rightarrow \boxed{\text{☎}}$$

Sequence of telephone number
(select only one key)

- Due to the nature of some particular phone systems, busy tone or ring back tone cannot easily be distinguished. To overcome this problem, press the

$\boxed{⚠}$ key after the telephone number for deferred playing (Autodialer / QuickDialer will start playing messages 3.6 seconds after dialing the phone number) :

$$\boxed{\text{☎}} \rightarrow \boxed{1} \rightarrow \underbrace{\boxed{1}\ \boxed{2}\ \boxed{3}\ \boxed{4}\ \boxed{5}\ \boxed{6}}\ \rightarrow \boxed{\text{☎}}$$

Sequence of telephone number

(select only one key)

$$\rightarrow \underbrace{\boxed{2}\ \boxed{7}\ \boxed{6}\ \boxed{5}\ \boxed{4}\ \boxed{3}\ \boxed{2}\ \boxed{1}}\ \rightarrow \boxed{⚠} \rightarrow \boxed{\text{☎}}$$

Telephone Number   Deferred
                              Playing

- For a telephone number without the "deferred playing"setting, the Autodialer / QuickDialer will try to determine the tone within 7 seconds after dialing the number. If it is ring back tone, the Autodialer / QuickDialer will start playing the messages; otherwise, it will hang up and dial the next number 5.5 seconds later or redial the same number 30 seconds later.

2. Pager Numbers
   If the Autodialer / QuickDialer is dialing a pager, it may need to wait a while before sending the paging message. This is achieved by entering one or

   more $\boxed{\text{II}}$ after the pager number. (Each $\boxed{\text{II}}$ delays the system

   operation for 3.6 seconds). In order to determine how many $\boxed{\text{II}}$ to enter after the pager number, preliminary trial is absolutely required.

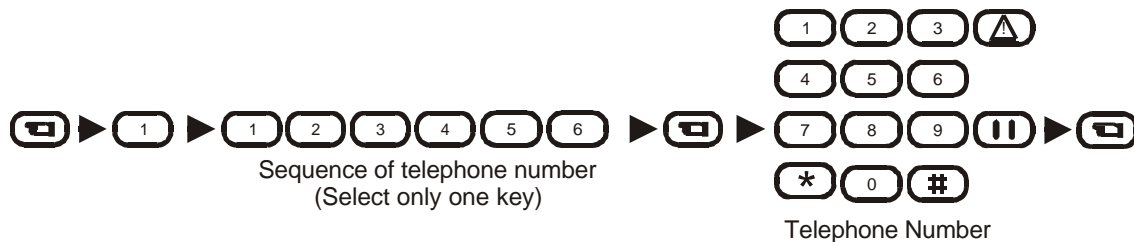$$\boxed{\text{☎}} \rightarrow \boxed{3} \rightarrow \underbrace{\boxed{1}\ \boxed{2}\ \boxed{3}\ \boxed{4}\ \boxed{5}\ \boxed{6}}\ \rightarrow \boxed{\text{☎}}$$

Sequence of telephone number

(select only one key)

$$\rightarrow \underbrace{\boxed{0}\ \boxed{7}\ \boxed{0}\ \boxed{0}\ \boxed{7}\ \boxed{2}\ \boxed{4}\ \boxed{6}}\ \rightarrow \boxed{\text{II}}$$

Pager Number

$$\rightarrow \boxed{\text{II}} \text{--------------} \boxed{\text{II}} \rightarrow \boxed{\#}$$

Waiting for transferring   Prefix

$$\rightarrow \underbrace{\boxed{2}\ \boxed{7}\ \boxed{6}\ \boxed{5}\ \boxed{4}\ \boxed{3}\ \boxed{2}\ \boxed{1}}\ \rightarrow \boxed{\#} \rightarrow \boxed{\text{☎}}$$

Display Number   Prefix

3. Programming an internal PABX telephone exchange through Direct Inward System Access (DISA) facility

⌨ → [1] → [1] [2] [3] [4] [5] [6] → ⌨
      Sequence of telephone number
         (Select only one key)

→ [2] [7] ___ [2] [1] → ⏸ -------------------- ⏸
      Telephone Number   Waiting for transfer

→ [2] [3] [4] → ⚠ → ⌨
   Extension   Deferred
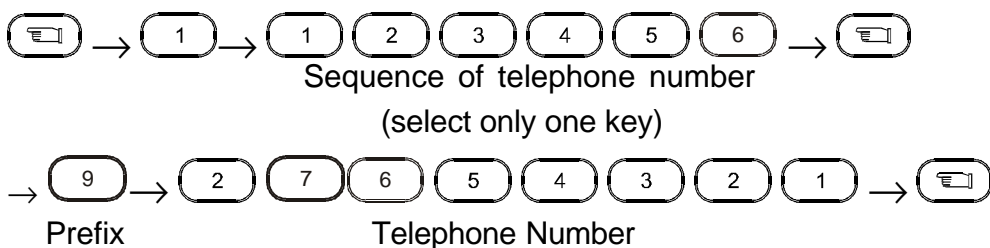   Number   Playing
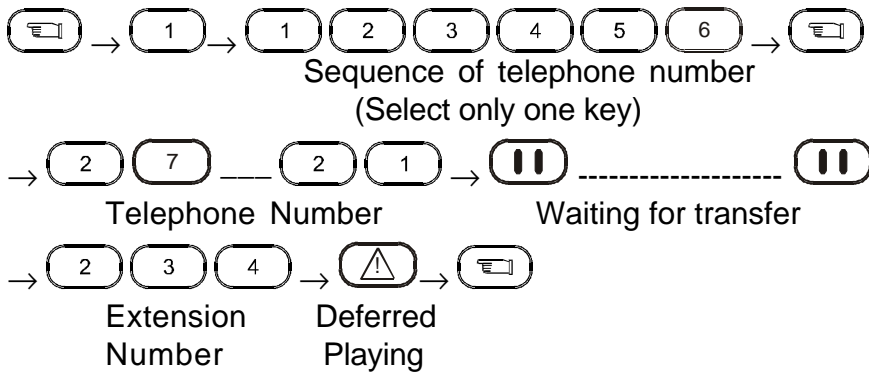
4. Connected to PABX system or ISDN switcher
If the Autodialer / QuickDialer is connected to an internal PABX telephone exchange or ISDN switcher, a prefix digit (e.g. 9) is normally required before an outside line can be obtained.

If the prefix dialing function is activated, the Autodialer / QuickDialer will dial the first digit (prefix) entered for every telephone number, and then start dial tone detecting function. To activate this function, enter [0]. To disable the function, enter [1]. The setting is done as follows:

⌨ → [9] → ⌨ → [1] [0] → ⌨
     Prefix   (select only one key)
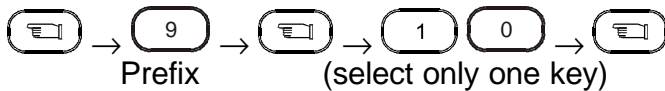
Before entering the telephone number ("27654321" for the example below), press "9" for the dial output prefix.

⌨ → [1] → [1] [2] [3] [4] [5] [6] → ⌨
      Sequence of telephone number
         (select only one key)

→ [9] → [2] [7] [6] [5] [4] [3] [2] [1] → ⌨
   Prefix   Telephone Number

SENDING A TEST CALL
It is possible to send one test call by selecting one of the telephone numbers to call.

⌨ → [4] → [1] [2] [3] [4] [5] [6] → ⌨
      Sequence of telephone number
         (select only one key)
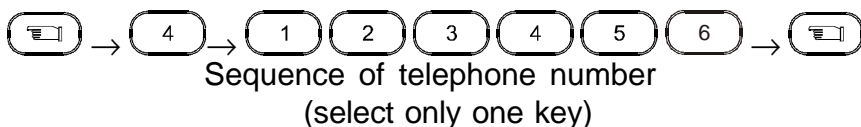
The telephone number of the test call will be dialed only once whether the line is busy or not.

ALARM SYSTEM TRIGGER SETTINGS

Upon receiving an input signal from the connected alarm control panel, the Autodialer / QuickDialer will react accordingly. For the Autodialer / QuickDialer to function correctly, it should memorize each zone's different alarm system "trigger type" and "trigger duration".

Alarm system Trigger Type:

BUTTON	1	0
TYPE	NORMAL OPEN (N.O.) NORMAL LOW	NORMAL CLOSE (N.C.) NORMAL HI

Factory Default: (1) = Normal Open / Normal Low

Trigger Duration:

BUTTON	1	2	3	4
DURATION	0.06 SECONDS	0.2 SECONDS	10 SECONDS	15 SECONDS

Factory Default: (3) = 10 seconds duration

- Durations (1) and (2) are suitable for "pulse triggers", i.e. magnetic reed sensors, shock sensors and glass breaking sensors.

- For (3) and (4) duration, as long as the alarm control panel has been disarmed within 10 or 15 seconds respectively, the Autodialer / QuickDialer will stop operating right away and the alarm memory will be erased (red LED stays on accordingly).

  If you want the settings different from the factory default, do as follows:

  (⌨) → (2) → (⌨) → (0)(1) → (1)(2)(3)(4) → (⌨)

                                  Type   Duration

   (Select one key)   (Select one key)
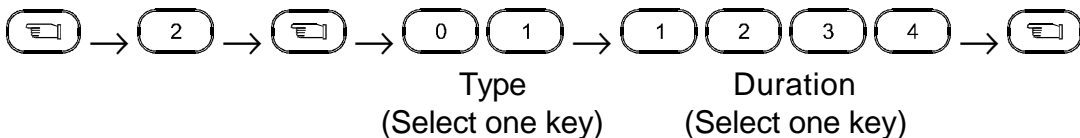
- If a new trigger occurs while the previous dialing procedure has not been completed, the Autodialer / QuickDialer will regard it as the same activation.

- If the triggered zone remains in its triggered state after the dialing procedure is completed, the autodialer / QuickDialer will regard it as the same activation and will not dial the numbers again. The previous trigger has to be cleared for at least 2 seconds before another trigger from the same zone will be regarded as a new activation.

- After being triggered 3 times in a row, the Autodialer / QuickDialer will enter the "sleep mode" for 1 hour, during which it will not accept any more new triggers. During the 1-hour period, you may press the (⊘) key at any time to reset the alarm memory to zero for the Autodialer / QuickDialer to be on alert again.

- The panic key trigger is not limited by any of the alarm memory facilities mentioned above. You may press the (⚠) key at any time to activate the Autodialer / QuickDialer.

AUTODIALING SET-UP

Each telephone number can be dialed for a maximum of 9 times. The factory default is to dial each phone number 3 times.

When setting up, by pressing the ④ key for instance, each telephone number will be dialed four times upon activation.

To select an Auto Dialing setting different from the factory default, do as follows:

⌨ ▶ ⓪ ▶ ⌨ ▶ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ▶ ⌨

Select one key
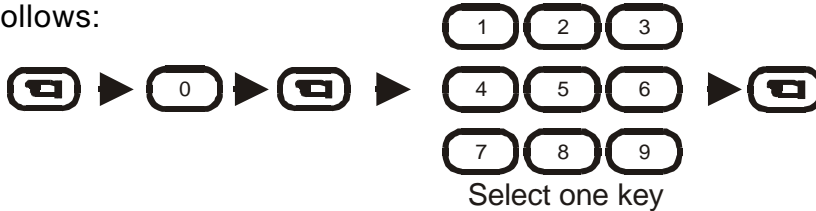
Note: The maximum number of times the Autodialer / QuickDialer will dial is 15 times. For example, if you stored 3 sets of telephone numbers in the memory, each telephone number can be dialed for a maximum of 5 times, even if you select an Auto Dialing setting greater than 5.

When only one number is stored and that number is engaged, the Autodialer / QuickDialer will automatically redial that number with an interval of 30 seconds between dialing attempts.

When more than one telephone number is stored, the Autodialer / QuickDialer will dial in accordance with the order. If the number being dialed is engaged, the Autodialer / Quickdialer will try the next number in the sequence and so on. Each number will be tried, and the redial interval between each number is 5.5 seconds. After a complete dialing cycle, the Autodialer / Quickdialer will rest for 30 seconds before doing another cycle.

MESSAGE PLAYING DURATION

During each call, the recorded message will be played repeatedly for a certain period of time (duration). There are four selectable settings of duration, the factory default is set for ①, i.e. 50 seconds.
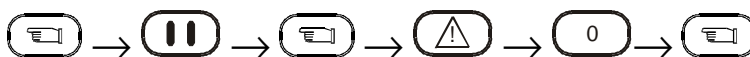
BUTTON	①	②	③	④
DURATION	50 SECONDS	70 SECONDS	90 SECONDS	110 SECONDS

To select a message playing duration different from the default, do as follows:

⌨ → ⑧ → ⌨ → ① ② ③ ④ → ⌨

Duration
(Select only one key)
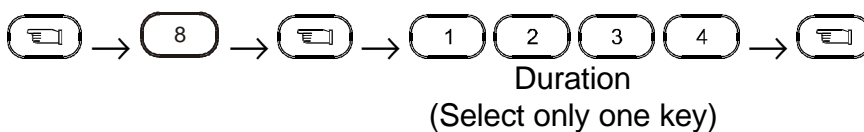
RESET THE SYSTEM

To clear all settings and reset the system to the original factory default, do as follows:

⌨ → ⏸ → ⌨ → ⚠ → ⓪ → ⌨

6.   TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	REMEDY
Red LED does not "flash"	1. DC circuit power connected in reverse order.	1. Exchange the DC circuit power.
"Light up" red LED does "flash"	1. Has been triggered.	1. Press the ⬭ key.
Red LED illuminates and device could not be reverted back to stand-by by pressing the ⬭ key.	1. COM / 1 still under trigger. 2. The cable, which is connected to the control panel, is faulty.	1. Clear the trigger on the control panel or wait for the control panel to be stopped automatically. 2. Check the cable.
Yellow LED will not stop flashing.	1. Memory selected incorrectly.	1. Select the correct memory.
Green LED does not flash when ⚠ key is pressed or when the wire control is triggered.	1. Telephone line is not not connected correctly. 2. There is a breakdown in the telephone line.	1. Check that the Line Jack is inserted correctly. 2. Check there is a dialing tone from the extension. If there is no tone contact the telephone company to repair it.

SPECIFICATION:

Operating Voltage: 7.7 to 13.8 VDC
Operating Environment: Temperature 0°C to 40°C
Stand-by Current: 17mA typically 25mA max. (at 12 VDC)
Alarm Current: 90mA typically 100mA max. (at 12 VDC)