SECURITEX AUTOMATIC DIAL SYSTEM SFAS83+2TEL
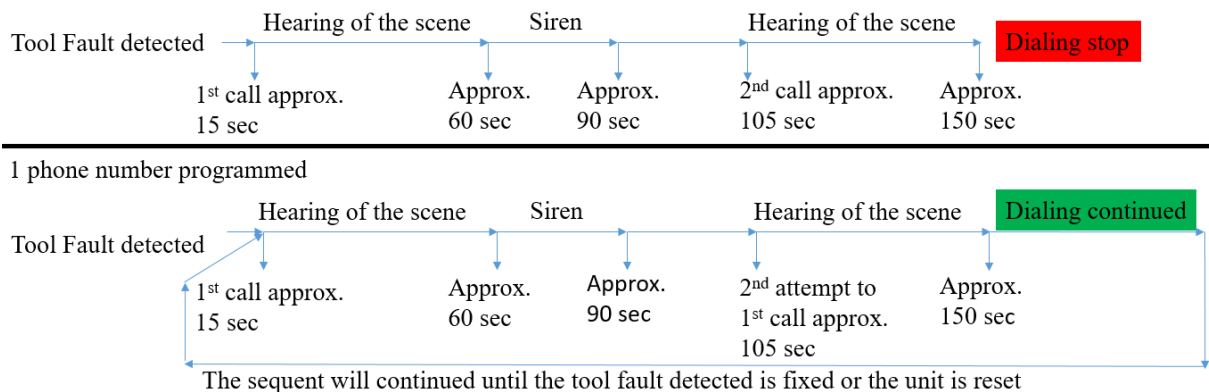
Overview of SFAS83+2TEL

Securitex Fault Auto Dial monitoring system is a fully customized system that consist of 3 modular units (Power Adapter-PA. Fault Relay Module-FRM. & Automatic Dial System-ADS). A 5VDC. 2amp power supply (Adapter) will supply power to the SAFS83+2TEL system. During Fault Detection when the fault relay module switch state the SFAS83+2TEL can dial out 1st and 2nd key holder mobile / landline phone in sequent depend on how many phone number is programmed into the system (Maximum 2 TEL number). If the display phone has Caller ID the SFAS83+2TEL land line Caller ID number can be display on the phone.

Monitoring Machine where fault will sent a 24VDC to the SFAS83+2TEL Fault Relay Module.

The above system when integrated to any machine that is to be monitored, when there is a fault the Tower Fault Light 24VDC will be detected by the SFAS83+2TEL Fault Relay Module and will sent a contact closure to the SFAS83+2TEL at site and this will dial to the 1st and 2nd Key Holder Receiver Phone.

Auto dial sequence (above system designed is subject the change without notice)

1. Fault detected.
2. System Automatic dial 1st number within 15 sec.
3. First Key Holder Receiver Phone Number pick up call after seeing the Caller ID. 1st number can hear the back ground sound for 45 sec or hang up the call.
4. 45 sec later the device will call the 2nd Key Holder Receiver Phone Number, the 2nd Key-holder Receiver can pick up the call after seeing the caller ID number and hear the back ground sound for 45 sec or hang up the call.
5. If the fault is resolve at the tool, the system will stop calling.
6. If the fault is still not resolve the system will keep calling non-stop to the 1st and 2nd Key Holder Receiver Phone Number until the fault is resolve.
7. Key-holder Receiver phone number programming is at the system keypad. There is no software and PC needed.

Tool Fault detected	Hearing of the scene	Siren		Hearing of the scene		Dialing stop
	1st call approx. 15 sec	Approx. 60 sec	Approx. 90 sec	2nd call approx. 105 sec	Approx. 150 sec	

1 phone number programmed

Tool Fault detected	Hearing of the scene	Siren		Hearing of the scene		Dialing continued
	1st call approx. 15 sec	Approx. 60 sec	Approx. 90 sec	2nd attempt to 1st call approx. 105 sec	Approx. 150 sec	

The sequent will continued until the tool fault detected is fixed or the unit is reset

Note on 1 phone number programed into the system.

If only 1 phone number is pre-programmed into the system, the system will call as follows:

1. System Automatic dial 1st number within 15 sec.
2. 1st Key Holder Receiver Phone Number pick up call after seeing the Caller ID. 1st number can hear the back ground sound for 45 sec or hang up the call, the system will then continue to go through the programming sequent unit complete approximately 150 sec.
3. If the fault is resolve at the tool, the system will stop calling.
4. If the fault is still not resolve the system will keep calling non-stop to the 1st Key Holder Receiver Phone Number until the fault is resolve.

How to program the 1st and 2nd phone number into the Securitex Fault Auto Dial monitoring system

A. Ensure the 5VDC power supply in ON
B. Ensure the system is connected into the PSTN Landline TELCO wall socket.
C. Ensure the Operation Switch is set to Position 3.

The system has and **Operation Switch** with 3 positions ON/OFF (ON/OFF switch on the side of the auto dialer unit)

(1) Position "1" (middle part)   : Calling the programmed number without siren.
(2) Position "2" (upper part)   : Siren sounds approximately 30 seconds after the first calling.
(3) Position "3" (lower part)   : Turn OFF the dialer and for program of phone number.

How to input the phone number or pager number
      a. Input the telephone number at the OPERATION SWITCH "OFF" (Position 3)
      b. It calls up to 2 different contact numbers. Enter first number in "Key A" and the second number in "Key C"
      c. It will sound when the key is press.
      d. Informing through telephone, enter the area code for inputting different area phone number.

When to use the Reset Key?
      1. Re-entering the phone number
      2. Not able to enter phone numbers on the keypad
      3. Cannot function.

How to enter Numbers?
a. Input the 1st telephone / mobile / dect phone number into Key "A"
      Press the memory button (M)
      Enter the mobile number (example: 91234567)
      Press the Key "A" to confirm.

b. Input the 2nd telephone phone number into Key "C"

      Press the memory button (M)

      Enter the mobile number (example: 61234567)

      Press the Key "C" to confirm.

PUT SFAS83+2TEL SYSTEM ON OPERATION

c.   Once the Telephone number has been input. Switch the **Operation Switch** to Position 1 (Call with no siren) or 2 (Call with Siren) and wait for 45 sec for the SFAS83+2TEL to finalised the program setting into the system. Press TEST button once to ensure the system is programed correctly and operate properly. If this step is correct the user will receive call from the SFAS83+2TEL.

Note:

The 1st and 2nd phone number when programmed into the system memory A & C will remain in the SFAS83+2TEL system automatic dial memory as long as the system 5VDC power is ON.
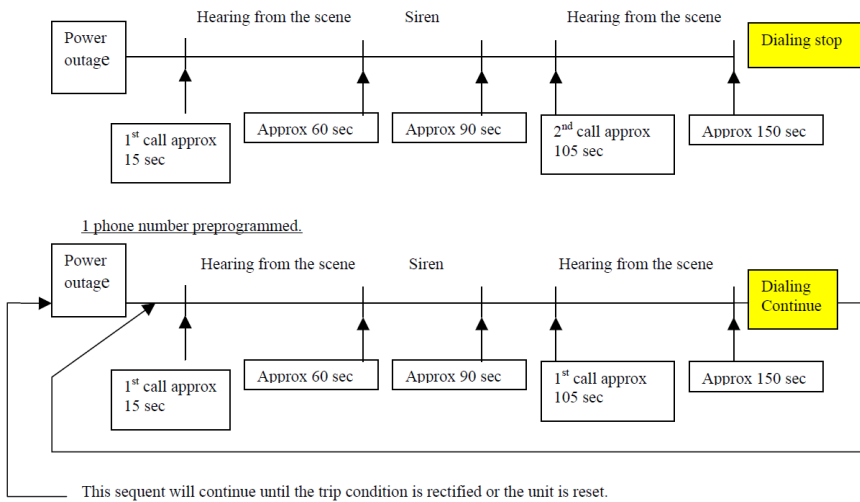
In the event that the 5VDC power is OFF for more than 5 minutes. The 2 telephone number will be deleted by the system and the user will need to re-enter the 2 telephone number as per above How to enter numbers.

To ensure the system can dial out when there is fault on the monitoring machine. PRESS the TEST BUTTON when you want to confirmed that the system can dial.

Note:

The above system is design in such a way that once the auto-dialer is trigger due to the Monitored Machine Faulty, the auto dialer will continue to dial the pre-programmed phone number in sequent non-stop unit the fault has been resolved. This feature is only applicable if only 1 phone number is programmed into the system.

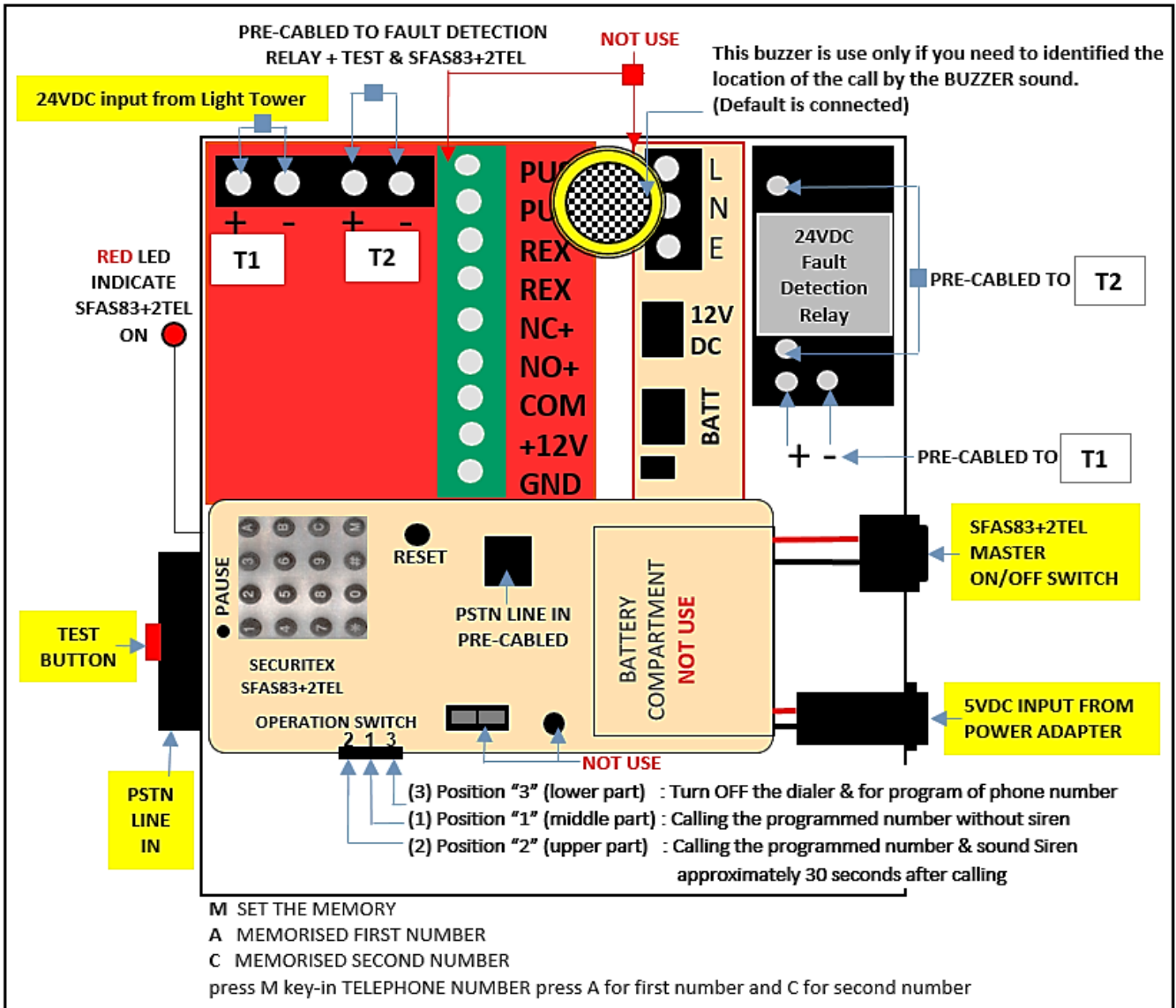If the dialer is programmed with 2 phones number than the system will dial- 1st number and then followed by 2nd number in sequent until the fault or power loss has been resolved.

The above show the process & time when the system first detect the fault.

FOR TOTAL SHUTDOWN OF THE SYSTEM JUST OFF THE 5VDC POWER ADAPTER OR SWITCH OFF THE MASTER ON/OFF SWITCH ON THE RIGHT SIDE OF THE ENCLOSURE.

SECURITEX AUTOMATIC DIAL SYSTEM SFAS83+2TEL

PRE-CABLED TO FAULT DETECTION RELAY + TEST & SFAS83+2TEL

NOT USE

This buzzer is use only if you need to identified the location of the call by the BUZZER sound. (Default is connected)

24VDC input from Light Tower

RED LED INDICATE SFAS83+2TEL ON

PU
PU
REX
REX
NC+
NO+
COM
+12V
GND

L
N
E

12V DC

BATT

24VDC Fault Detection Relay

PRE-CABLED TO T2

PRE-CABLED TO T1

T1   T2

+ -   + -

RESET

PAUSE

PSTN LINE IN PRE-CABLED

BATTERY COMPARTMENT NOT USE

SECURITEX SFAS83+2TEL

TEST BUTTON

OPERATION SWITCH
2 1 3

NOT USE

PSTN LINE IN

SFAS83+2TEL MASTER ON/OFF SWITCH

5VDC INPUT FROM POWER ADAPTER

(3) Position "3" (lower part) : Turn OFF the dialer & for program of phone number
(1) Position "1" (middle part) : Calling the programmed number without siren
(2) Position "2" (upper part) : Calling the programmed number & sound Siren
approximately 30 seconds after calling

M SET THE MEMORY
A MEMORISED FIRST NUMBER
C MEMORISED SECOND NUMBER
press M key-in TELEPHONE NUMBER press A for first number and C for second number

Document amended December 2018