Windcrest

How to Monitor Windcrest Autodiallers for EN 81-28 Monitoring with Open Protocol

For Technical support call 02087950333.

Windcrest open protocol

Windcrest units can be monitored for EN 81-28 as follows:-

Option 1:-
Manned Station:-
The lift location will be required to be recorded in all the autodiallers. At the time of the test call, the unit will call the dedicated line and will announce the instructions for the call recipient. Once the call recipient follows the instructions given by the autodialler, the unit will announce the recorded location of the autodialler and end the call. The call recipient will make a log of the test calls manually.

Requirements for this option:

- All the Autodiallers will need to be programmed to dial the Central Station Telephone number for Test Calls
- Dedicated telephone line to which all of the lifts will call for the Test Call. This telephone line will need to be manned-24x7 to receive the test calls from the Autodiallers. A record of these test calls to be kept.

Option 2:- Office Based Central Station with Open protocol:-
We will provide the Windcrest Central Station Computer which will be connected to the dedicated Telephone line. All the autodialler which are required to be monitored will need to be programmed to dial the Central Station Computer's telephone number in the event of the test call. The computer will have the Windcrest Monitoring Software, which will show the status of each autodialler whether they have reported within 3 days or not.

Requirements for this option:

- Central Station Computer station
- Dedicated telephone line to which all of the lifts will call for the Test Call
- All the Autodiallers will need to be programmed to dial the Central Station Telephone number for Test Calls

Option 3:- Internet Based monitoring:-
We will provide the Monitoring Login details to log into our monitoring services. All the autodialler which are required to be monitored will need to be added on the account and programmed to dial our Central Station Computer in the event of the test call. On the account, the status of each autodialler will be shown as well as automated email notification will be sent in the event of the status change.

Requirements for this option:

- Monitoring Contract with us.
- All the Autodiallers will need to be programmed to dial Windcrest Central Station Telephone number for Test Calls

Option 4:- Integration of open protocol in lift management system

Below protocol can be implemented in suitable systems which can accept EN 81-28 test calls in following format.

Open Protocol for Test Calls

Note:- We have updated Line Receiver Software in 2019. Previously, Line Receiver used to send DTMF * for data request. Now it sends DTMF 5 for 100msec ON, 250msec OFF followed by *. This is because if the Line Receiver is on VoIP systems, VoIP system goes into programming mode if only * is sent from the Line Receiver. The new Line Receiver is tested on Standard Autodialler, 2 Wire, AVCOM (New) on 26/01/2020.

Reporting Unit (Autodialler)	Receiving Unit (Line Receiver Software)
Dials 5th Number (5th Telephone No.)	
	Ringing detected
	Confirm ringing
	Go online
	LR sends DTMF '5' For 100mSec ON, 250mSec OFF, followed by "*" for 1 Second (request for ID)
If Test Call then Transmits string: **X X X X Y Y 7 7 A B C D** (details below)	Receives the string
	LR sends DTMF '5' For 100mSec ON, 250mSec OFF, followed by "*" for 1 Second (request for ID)
If Test Call then Transmits string: **X X X X Y Y 7 7 A B C D** (details below)	Receives the string
	Compares two strings & repeats the process if strings does not match
	If strings matches; updates database
	Send DTMF 7 for 150 MSEC ON, 200MSEC OFF followed by DTMF 0 for 150 MSEC ON, 200MSEC OFF to End the test call and go offline.

ID String Format:

X X X X Y Y 7 7 A B C D

(All DTMF tones as received in sequence with same delay)

Here,

XXXX = Unit ID (Numeric 0-9)
YY = Lift No. (Numeric 0-9)

A = Speaker/Mic & BT Test DTMF	(0 = No Fault, 1 = Faulty Spk/Mic)
B = Battery Test DTMF	(0 = Battery OK, 1 = Low Battery)
C = Service Period DTMF	(0 = Normal, 1 = Service Period)
D = Alarm Filter ON/OFF	(0 = Alarm Filter OFF, 1 = Alarm Filter ON)

DTMF Tone Lengths for * & 3 :- 1 Second ON.
DTMF Tone Lengths for 7 and 0. :- 150msec ON -200msec OFF.