

SICEP[®]

INTERFACCIA MULTI-LINK



SICEP
MADE IN ITALY

MULTI-LINK INTERFACE

Multi-Link is an interface with 8 inputs - 8 outputs, connected to any burglar alarm that may send alarms in Contact-ID format (or Ademco Fast) using the LAN network (or back-up in GSM / GPRS) to SICEP Central Station MvsNET. The Multi-Link can be programmed as bidirectional transmitter or as a simple interface able to convert the signals in Contact-ID format by LAN of any panel control connected.

Easy installation

The connection of the Multi-Link with the central alarm is possible through a simulator/DTMF decoder integrated which reproduces the analog line. The installer may link the phone cable and obtain an interface able to transmit the Contact-ID protocol (or Ademco Fast) by carriers LAN or GSM/ GPRS network. This simple activity makes speed the installation process.

The protocols compatible with the interface Multi-Link are the following:

- Contact-ID
- 4+2 Express
- Ademco Fast (4+8+1)
- Ademco Fast Extended (4+16+1)

Bidirectional management without costs

The LAN protocol DynUdp (with static or dynamic IP), which the interface Multi-Link uses, allows a bidirectional communication to the Central Station MvsNET. It allows to:

- Transmit the variation of the inputs
- Check the status of the inputs
- Verify the error states of the device
- Do remote controls

The transmission over LAN is fast. The protocol permits also a monitoring of the connection with the Central Station using a continue polling (settable) to verify the efficiency of the link, without costs.

Emergency vectors

When the Multi-Link recognizes the absent of the LAN carrier and the communication with the Central Station, it may immediately activate with a relay presents on the motherboard the PSTN line of the panel control (if presents).

With the optional GSM modem (model BT-GSM) connected via RS485, the interface may also transmit information over GSM / GPRS (with Contact-ID protocol) to have a double carrier when the LAN connection does not work. The BT-GSM modem uses always the Gprs like primary channel (SIM type M2M); if the unit fails to transmit or receive from the Central Station, it can send also encrypted SMS messages.

The Multi-Link interface may send, in few words, the signals through multiple communication carriers:

1. LAN (bidirectional communication with static or dynamic IP)
2. GPRS (bidirectional communication with transmission in DATA)
3. SMS (bidirectional communication with encrypted SMS)
3. Digital telephone line (monodirectional transmission)

Anti-robbery

Is possible to add to the device a receiver/decoder 868MHz and some remote controls (max. 16) to ability the function of anti-robbery or to do commands over the outputs.

WLAN module

It is possible, with the module WLAN, to do a fast installation by connecting the interface Multi-Link to LAN using wireless technology.





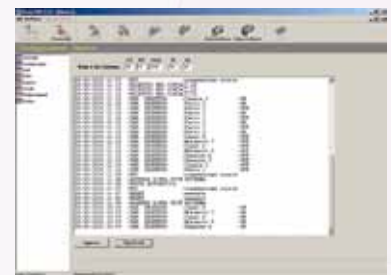
Local and remote programming

The programming of all parameters is simple and intuitive using the PC software SICEP MVC, which lets you view and edit parameters through graphical Windows-style pages. These can be stored and reloaded from files on your PC in order to build a custom programming. The device allows you to do this locally (with USB or serial) or by remote using a LAN or GSM / GPRS network.



Historical events

Multi-Link interface is able to record on its log all the events with time / date and with specific description. The maximum number of events to be stored is 256 (at the end, overwritten) available via PC software MVC.



Technical Features

Power supply	220-230Vac 50Hz
Battery Backup	12V 2,5Ah max.
Power consumption at 230V	60mA max
Power consumption at 12V	250mA max
Input channels	8, impedance 100kOhm, Pull-up on 100Kohm 3.3 V
Outputs	8 outputs, open collector to GND, 100mA max.; static or Monostable
Controls	Tamper controls, wireless LAN, GSM signal, tamper GSM module (if present)
Transmission protocol	LAN, GPRS, SMS-MVS (only to systems MvsNET)
Protocol receives	Ademco Contact-ID Ademco 4+2 Express Ademco Fast 4+8+1 Ademco Fast Extended 4+16+1
Kits available	- GSM interface mod. BT-GSM - Receiver + remote control anti-theft 868MHz mod. IRS-K2 - Wireless LAN module mod. WLan
Interfaces	1 ethernet connector 1 serial port for programming from MVC 1 USB type B
LED indicators	Power on, Low Battery, Power, USB + 3 LEDs for LAN (Link, Speed 10/100 Mb/s Tx/Rx)
Environmental conditions	Operating temperature: -10° to +50°C Humidity: 20% to 80%
Container protection	Polycarbonate IP 41
Dimensions	31 x 20 x 8 cm
Weight	1,7Kg without battery, about 2,6Kg with battery 2.2 Ah
Primary voltage	220 - 230V, 50-60Hz
Power	40VA
Secondary voltage	20V
Secondary current	1,5 A
Insulation	Class B, 130° C

