PSTN-to-IP/GPRS/3G Converters VST-1905-M1/M8/M8 EX

Seamlessly integrating PSTN alarm panels into IP/GPRS/3G networks

VST-1905-M1/M8/M8 EX are PSTN-to-IP/GPRS/3G Converters that switch PSTN control panels from traditional phone landlines to IP/GPRS/3G networks. The plug & play installation of this Converter series requires no replacement or dismantling of the host control panels. Any PSTN alarm panel adopting the CID reporting format can be easily adapted for IP/GPRS/3G based monitoring centers by VST-1905-M1/M8/M8 EX, which seamlessly converts PSTN CID into SIA protocol and CID over IP/GPRS/3G

The Converter series offers three options to cover different needs of connectivity:
VST-1905-M1: PSTN to IP network
VST-1905-M8 GPRS/3G: PSTN to IP + GPRS/3G network
VST-1905-M8 EX GPRS/3G: PSTN to IP + GPRS/3G network with External Antenna Port for optional
                                          external antenna extension to improve GPRS/3G signal strength.

All models enable users to view event reports online via the Climax Home Portal Server and can be configured via simple Web programming or SMS programming. This converter series works with the Alarm Receiving Software (ARS) for the monitoring center to receive readily converted alarm event. The Converter further features remote firmware update (RFU) capability for user to upgrade its performance easily.

Each Converter includes three inputs as normal open/normal closed contacts to send alarms over IP/GPRS/3G according to user customization. The Converter series delivers the most cost-saving, flexible and efficient way to integrate PSTN panels into IP/GPRS/3G networks in a security industry that is rapidly migrating from analog telephone systems to modern IP/GPRS/3G communications.

Features	VST-1905-M1 (IP)	VST-1905-M8 (IP+GSM/3G)	VST-1905-M8 EX (IP+GSM/3G)
Converts PSTN CID reports into SIA protocol and CID over IP/GPRS	•	•	•
Compatible with any PSTN alarm adopting the CID reporting format	•	•	•
Can work with the Alarm Receiving Software (ARS) for the monitoring center to receive readily converted alarm data	•	•	•
Compatible with Home Portal Server for users to view event reports online	•	•	•
Web programming/browser support	•	•	•
SMS programming		•	•
Three programmable inputs send reports in the CID format over IP/GPRS when activated	•	•	•
Protected access allows only valid users to configure the system	•	•	•
Eight IP addresses for alarm reporting	•	•	•
Remote firmware update capability	•	•	•
Supports a 10-digit account number	•	•	•
LED indicator of GSM signal strength		•	•
Plug & play installation and operation	•	•	•
External antenna port			•
Compliant with CE, FCC, ETL and PTCRB requirements	•	•	•

Specifications:

- Alarm dialer interface: Two wire interface via RJ11 socket
  Ringing voltage 40-100V for incoming calls

- Ethernet interface: 10Mbps and 100Mbps (10/100Base T) with auto-negotiation
  UTP with standard RJ45 socket

- GPRS frequency band: Quad band GSM 850/900/1800/1900 MHz
  3G frequency bands: 2100/1900/1800/1700/850/800/2600/900MHz
  (3G bands vary depending on regions/countries)

- Alarm inputs: Three normally open/normally closed dry contacts
  Maximum input voltage range: 0V to +24V
  Input low threshold: < 3V
  Input high threshold: > 3V

- Power supply: Powered from the alarm panel (9-18V DC) or 12V 1A DC adaptor

- Dimensions: 120 mm x 90 mm