Teldat VisorALARM PLUS

IP Alarm Receivers for Firewatch IP Series Communicators

NOTIFIER® by Honeywell

Miscellaneous

General

The VisorALARM PLUS receiver from Teldat is Notifier's solution to manage and receive alarms from FireWatch IP series fire alarm communicators or Teldat's MIP IP communicators. Each VisorALARM PLUS receiver supports up to 3,000 alarm panels and provides the industry's most advanced set of features including line supervision, 512 bit encryption and a three level redundancy system for the highest possible availability and reliability levels. Integration with central station automation software packages is almost immediate as the VisorALARM PLUS receiver is able to emulate the industry's most common receiver protocols. Communication between the VisorALARM PLUS receiver and the automation server computer is done via a regular serial connection.

Features

- **Scalability:** Simultaneous management for up to 3,000 Teldat MIP and Firewatch IP series IP remote devices.
- **Line monitoring:** Monitors connectivity status with all registered devices.
- **Network access monitoring:** Monitors the status of its network access to avoid generating false technical alarms under a communications failure situation.
- **Support for dynamic and static IP addresses** on the remote Teldat MIP and Firewatch IP series devices.
- **Encryption:** Uses 512 bit AES encryption algorithm for all communications with installed IP modules.
- **Communicates alarms to the automation server** via a serial connection, using ContactID format and emulating Surgard, Radionics or Ademco receiver protocols.
- **Smart card:** Saves all configuration information on an external smart card that can be used for immediate system replacement under crash recovery situations.
- **Secondary receiver support:** Two VisorALARMs PLUS can be setup in a primary/secondary configuration for high availability and redundancy options. Teldat's MIP and Firewatch IP series units in the field will report to the primary unit and will automatically switch to the secondary receiver if the primary becomes unavailable.
- **Secondary receiver automatic synchronization:** The primary and secondary VisorALARM PLUS receivers support the TRCP protocol that allows them both to maintain identical configuration files.
- **Back up receiver automatic takeover:** An additional backup VisorALARM PLUS receiver can be placed in the same network as the primary receiver, programming the unit to takeover the identity of the primary receiver under the event that it becomes unavailable.
- **Local and remote management tools:** Local management is available through a console-type serial connection. Remote management is implemented via a telnet session.
- **Real time embedded operating system:** for maximum performance and protection against viruses and hacker attacks.
- **Display and keyboard:** Management, monitoring and alarm validation directly from your receiver front keys and display.

User-Configurable Events

Event 300	Failure in the receiver ventilators
Event 350	mIP is not sending polling traffic
Event 356	Loss of connectivity in the central line
Event 358	Main receiver has detected the backup receiver is down
Event 394	mIP begins to poll the backup receiver
Event 395	Configuration error in the mIP
Event 396	Main receiver has activated
Event 397	Receiver has lost IP communication
Event 398	Backup receiver has activated
Event 399	Backup receiver has activated as a result of the main receiver being down
Event 531	A new mIP has been registered
Event 633	Free space in the alarms buffer is above 25%
Event 634	Free space in the alarms buffer is below 25%
Event 635	Alarms buffer is full



Installation

1. Alarm automation server connection: The VisorALARM PLUS receiver can be connected to the automation server via a regular serial connection cable (included with the unit).

2. Alarm automation configuration: The VisorALARM PLUS supports Surgard, Radionics and Ademco protocols for easy integration with any alarm automation software (SIS, IBS, MAS, Microkey, etc.).

3. Configuration scripts: VisorALARM PLUS allows configuration scripts to be uploaded via the console or telnet sessions. Most common configuration scripts are available at Teldat Security's website, allowing the user to download the scripts and use them as templates to add customer specific options.

Receiver Backup Options

The VisorALARM PLUS receiver implements advanced network backup functionalities which allow all installed MIPs or Firewatch IP series units to send alarms and polling signals to a main and a secondary VisorALARM PLUS receivers. Teldat's MIP/Firewatch IP series units will report to the secondary destination in those cases where the main VisorALARM PLUS fails. Teldat's MIP/Firewatch IP series units will continue to report to the backup VisorALARM PLUS for both alarm and line supervision signals, until the communication with the main receiver is restored. In cases where the backup VisorALARM PLUS also fails,the MIP connects the telephone line to the Teldat's MIP/Firewatch IP series unit so that it can be used as an additional level of backup, allowing the panel to transmit the alarms through the telephone network.

Line Supervision Support

The VisorALARM PLUS receiver gets supervision messages from Teldat's MIPs. All registered Teldat's MIP/Firewatch IP series units send periodic keep-alive or polling signals to the receiver, which then answers with an acknowledgement response. The status of all the registered Teldat MIP/Firewatch IP series units is periodically checked. A 350 Contact-ID alarm code is generated and sent to the automation server for those Teldat MIPs who have not notified their availability (Communication trouble). In order to avoid the VisorALARM PLUS generating hundreds or thousands of communication failure alarms when there is a general IP traffic reception failure, the VisorALARM PLUS monitors the network access to a stable and well-known internet address: if the echo packets to this address fail, a 356 Contact-ID alarm code is generated (Loss of central polling).

VisorALARM PLUS Technical Specifications

UD INTERFACE

- **Flash memory** for up to 42000 alarms storage
- **1 WatchDog** output
- **1 Programmable** output
- **2 Programmable** inputs
- **2 UD** Serial Ports

CONFIGURATION INTERFACE

- **Local Terminal:** V.24 9600-8-N-1-without flow control
- **Connector:** DB-9 female
- **Telnet:** Password protected

AC POWER

- **Input Voltage:** 100 – 240 VAC
- **Input Current:** 0.5 – 1.0 AMP
- **Input Frequency:** 47 – 63 Hz

LAN INTERFACE

- **Protocols:** Ethernet (b802.3) / Ethernet blue book
- **Speed:** 10 Mbps/100 Mbps (100BaseT)
- **Connector:** RJ45 female

ENVIRONMENTAL SPECIFICATIONS

- **Room temperature:** On: 41°F to 131°F. Off: -4° F to 140°F
- **Relative humidity:** On: 8% to 85%. Off: 5% to 90%

WAN INTERFACES

- **Protocols:** FRAME RELAY, X.25, PPP, SDLC, X.28
- **Interfaces:** Insertable drivers V.24 / V.35 / X.21 DTE/DCE
- **Nº Ports:** 2 (printer & automation software)
- **Speed:** 200 to 2048 Kbps
- **Connector:** DB-25 female
- **Emulation:** Surgard, Radionics 6500 and Ademco 685

DIMENSIONS AND WEIGHT

- **Type:** Desktop 2U or standard 19" Rackmount.
- **L x W x H:** 12.21 x 16.34 x 3.39 inches
- **Weight:** 8.82 lbs

CERTIFICATES AND APPROVALS

- **UL1610:** Central Station Burglar Alarm Units
- **UL1076:** Proprietary Burglar Alarm Units and Systems;
- **ULC/ORD:** C1076-M1986 Proprietary Burglar Alarm Units & Systems
- **CAN/ULC:** S304-M88 Central and Monitoring Station Burglar Alarm Units
- **UL864:** Control Units and Accessories for Fire Alarm Systems

ORDERING INFORMATION

- **VisorALARM-Plus:** Receiver with LCD display and keypad.

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