VisorALARM

IP Alarm (Maintenance) Receiver for FireWatch IP Series Communicators

NOTIFIER® by Honeywell

Miscellaneous

General

The VisorALARM IP 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 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 receiver is able to emulate the industry's most common receiver protocols. The VisorALARM receiver and the automation server computer communicate over 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 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.

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



60273cov.jpg

- **Secondary receiver automatic synchronization:** The primary and secondary VisorALARM receivers support the TRCP protocol that allows them both to maintain identical configuration files.
- **Backup receiver automatic takeover:** An additional backup VisorALARM 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.

Installation

1. Alarm automation server connection: The VisorALARM receiver can be connected to the automation server via a regular serial connection cable (included with the unit).
2. Alarm automation configuration: The VisorALARM supports Surgard, Radionics and Ademco protocols for easy integration with any alarm automation software (such as SIS, IBS, MAS, Microkey).
3. Configuration scripts: VisorALARM 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 Options

The VisorALARM receiver implements advanced network maintenance functions which allow all installed MIP and Firewatch IP series units to send alarms and polling signals to a maintenance receiver. Teldat MIP and Firewatch IP series units will report to the secondary destination in those cases where the main VisorALARM fails.

Line Supervision Support

The VisorALARM receiver gets supervision messages from the MIPs. All registered Teldat MIP and 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 and Firewatch IP series units is periodically checked. A 350 Contact-ID alarm code is generated and sent to the automation server for those Teldat MIP and Firewatch IP series who have not notified their availability (Communication trouble). To avoid the VisorALARM generating hundreds or thousands of communication failure alarms when there is a

general IP traffic reception failure, the VisorALARM 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 Technical Specifications

HARDWARE ARCHITECTURE

- **Processor:** Motorola MPC860, at 50, 66 or 80 MHz, depending on the version
- **Memory:** 32, 64, 128 or 256 SDRAM Mbytes, depending on the version
- **Storage unit:** FLASH Memory, 4, 8 or 16 Mbytes depending on the version. EEPROM 2 Kbytes, NVRAM 128 Kbytes

CONFIGURATION INTERFACE

- **Local Terminal:** V.24 9.600-8-N-1-without flow control
- **Connector:** DB-9 female
- **Telnet:** Password protected

AC POWER

- **Input Voltage:** 100 – 240 V
- **Input Current:** 0.5- 1.0 A
- **Input Frequency:** 47-63 Hz

LAN INTERFACE

- **Protocols:** Ethernet (802.3) / Ethernet blue book
- **Speed:** 10 Mbps/100 Mbps (100BaseT)
- **Connector:** RJ45 female

WAN INTERFACES

- **Protocols:** FRAME RELAY, X.25, PPP, SDLC, X.28
- **Interfaces:** Insertable drivers V.24 / V.35 / X.21 DTE/DCE
- **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
- **L x W x H:** 12.21 x 16.34 x 1.69 inches
- **Weight:** 3.5Kg / 7.6 lbs

ENVIRONMENTAL SPECIFICATIONS

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

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

ORDERING INFORMATION

- **VisorALARM:** Receiver

Notifier® is a registered trademark of Honeywell International Inc. **VisorALARM®** is a registered trademark of the Teldat Corporation.
©2010 by Honeywell International Inc. All rights reserved. Unauthorized use of this document is strictly prohibited.

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING
QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com