



A CENTRALIZED ALARM MONITORING AND MANAGING SYSTEM, IN LAN ENVIRONMENT

1. General Feature

Eureka is an integrated system that permits the management and the control in LAN or WAN networked configurations, Fire, Intrusion and CCTV equipment. (Ademco, Microtec Prometheus, Algorinet, Dedicated Micros, Ademco Video) The network is controlled by a PC with ADEMCO EUREKA software installed. It has been conceived in response to market demand to extend the existing Intrusion., Fire and Video systems to very large installations, including industrial sites, shopping malls, large office buildings. banking centers, museums, residential and commercial complexes, etc.

Eureka is an additional layered feature, that connects the remote sub-systems together, creating a centrally managed network with distributed intelligence. The basic elements of the network are: a PC with a WINDOWS 2000 operating system, a 4164ETEP interface connected to each control panel, Eureka Software.

2. System application and configuration guidelines

The VISTA control panel requires very little programming, within the network PC, in order to be connected. The most important thing is to program the virtual consoles in the partitioned VISTA systems (models XMPT2, V-50P and V-120). The network interface is parallel connected to the console bus of the VISTA and reads the data present on this bus. The various commands from the PC are "injected" into the console bus, therefore the PC behaves like a user with another console, with one important difference: the interface can impersonate all partition consoles, while the real console can "see" only the partition for which it is programmed. In order to connect a VISTA partitioned panel to the network, the installer must program one virtual console for every partition used in the VISTA. If the panel has been programmed for 5 partitions, the installer must program 5 consoles, starting from DEVICE address number 16 - see the table shown on the next page.

April 2003

AI 4164 ETH

Installation

Manual





Address	1	2	3	4	5	6	7	8
16	х							
17		Х						
18			Х					
19				Х				
20					Х			
21								
22								
23								

The physical consoles are programmed as normal and are unaffected by the presence of V-NET.

The second programming requirement is to add the virtual user to the VISTA panel with a security code. We recommend assigning this code the highest authority level for the launch of the installation; this can be modified later.

This code is also programmed in the PC software, and is used every time the PC is sending a command to the VISTA. This code is logged in the VISTA event memory and it can be identified as one of the "human" users.

The user codes for the PC must have the following access setup: multi access (1),NO global arming (0), level of authority of choice (may be limited later by the PC software).

There may be a different user code assigned in the PC and in the VISTA for each partition and each control panel; they are not necessarily the same for all networks.

For the other Type of Control Panel (Microtec, Prometheus, Algorinet) no special programming are require.

3. Connection

The system wiring should be made using dedicated cabling. The wiring should be widely separated from AC mains lines and other system wiring. We strongly recommend 30 cm (1 ft approx.) spacing as a guideline.

The distance calculation between network and 4164ETH interface must Be Cat 5 and less than 100 \mbox{Mt}

4. Interface AI-4164ETH

Connection schematic of 4164ETH with all connetable control Panel.



1 Not Used 2 Not Used 3 Not Used 4 -5 + 6 Not Used



Vista

The connection beetwen Vista and interface is made using the DB9 cable, and connecting it to the control panel like a console (RED, Black, Yellow, Green).

Prometheus

Interface Connector DB9 Prometheus DB9 Computer Port. Build the cable with the following connection:

Interface	Prometheus
RX→ 2	3 TX
TX→ 3	2 RX
GND→ 5	5 GND

Algorinet

Interface connector DB9 Algorinet DB9 (LSSIM 216-1). Build the cable with the following connection:

Interface	Algorinet					
RX→ 2	2 TX					
TX→ 3	3 RX					
GND→ 5	5 GND					

Microtec

Interface connector DB9 Microtec DB25 Serial Interface. Build the cable with the following connection:

Interface	Microtec
RX→ 2	2 TX
TX→ 3	3 RX
GND→ 5	7 GND



5. Setup

The programming of 4164 interface is made using Internet Explorer and TCP/IP protocol.

Connect the interface in LAN using a HUB, or directly to the computer using cross cable.

The default value are:

IP=192.168.25.101 NETMASK=255.255.255.0

First step is to configure the PC with the same class of IP address eg 192.168.25.xxx.

Using PING command (eg Ping 192.168.25.101) it is possible know if the interface is connected to the LAN. When the interface answers to the ping command, it is possible to established the communication using Internet Explorer

Open Internet Explorer and type:

http://192.168.25.101

The following screen will appare:

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Default value are:

UserID=master Password=master

5



When the login is done the following screen will appear:

4164 ETH C	Configurat
<u>System Parameter</u>	
<u>Filter Events</u>	
Control Panel Status	
Logout	×.
Logout and Reset Interface	13
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System Parameter

Allow you to modify all parameter

Filter Events

Allow you to select which events send to the central station.

Control panel status

Allow you to view the status of control panel connected (available only for Vista panel).

Logout EXIT programming mode.

Logout and Reset interface

EXIT programming mode and reset interfaces.



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System Parameter

25.101/param.htm - Microsoft Internet Explorer			
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Interface IP Address		192.168.25.101	
Netmask		255.255.255.0	
Gateway (if required)		(Y/N)	
Remote Server IP Addre	ess	192.168.25.76	
Interface Number (001-9	999)	1	
Adjust Timing T1		5	
FTP Access Password		Kokokokok	
FTP Confirm Password		kolalalalak	
WEB Access User Nam	e	master	
WEB Access Password		tololololok	
WEB Confirm Password	l	kolololok	
Protection Level (0,1, 2))	2	
Signature Accepted		Y (Y/N)	
Security Key Value (8 C	'haracters)	Koladolokokok	
Confirm Security Key V	alue (8 Characters)	kolekolekolek	
Prometheus		N (Y/N)	
Prometheus Eprom Code	e	aaa	
	Submit Reset		
tata			internet
lala			

Interface IP Address Insert interface's IP address

Netmask

Insert Netmask

Gateway Insert gateway if necessary

Remote Server IP Address

Insert IP address of the computer where Eureka software is installed.



Interface number

Insert the number of interface (1-999). Important: On the same system all interfaces must have this number different.

Adjust Timing T1

Always 5

FTP Passord

On the interface is installed the FTP service (This service is used to upgrade the firmware of interface). Insert the password that allow you use FTP service.

WEB Access User Name

Insert the name for login on the Web page. Default = MASTER

WEB Access Password

Insert the Password for login on the Web page. Default = MASTER

Protection Level

E posiibile selezionare il livello di protezione sulle trasmissioni fra il centro e le varie interfacce messe in rete. 0=No protection 1=The data are cripted. 2=The data are cripted and send using also the signature check.

Signature accept

Y=Ōn N=Off

Security Key

Is a 8 digit cripted code. The data are cripted using this key. The same key must be programmed on Eureka software. Default=12345678

Prometheus

If the interface is connected to Prometheus control panel put Y. Insert N if the interface is connect to Vista control panel.

Prometheus Eprom Code

If Prometheus is connect insert aaa.

When finish Select submit and Save button to save your new configuration.



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Filter Events

From this screen it is possible to select which event send to the central station and the priority.

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Ĩ	Nr Event Type	Туре
	1 Ready	
	2 Not Ready	N
	3 Open Zone	
	4 Arm Away	
:	5 Arm Stay	
	6 Arm Max	
	7 Arm Inst	
	8 Chime	
	9 Low Battery	
1	l0 Bypass	
1	1 Check Zone	
1	2 Alarm	
]	13 Mute	
1	4 Fire	
]	5 Short Multiplexer	
1	6 Automatic Mute	
]	17 Programming Mode	
1	AC Loss	
tata		linternet

I= The Event will send immediately

T= The event will send together an I event when this will occur. N=The event will never send.





Control panel status

.168.25.101/vista.htm - Microsoft Inte	ernet Explorer							
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	Contro	ol Pana	el Num	ber 1				
PAP	RTITION:	123	345	67	8			
STZ	ATUS:	RRI	RRR	RR	R			
		_	_	_	_	_		
A=Armed Away	S=Armed	Stay			M=Arme	d Maxi	mum	
t=Armed Instant	R=Ready				N=NOL	кеаду		
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From this screen it is possible to view the status of control panel connected to the interface.