

# AI 4164 ETH

# Installation

# Manual

April 2003

## **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.

Address	1	2	3	4	5	6	7	8
16	x							
17		X						
18			X					
19				X				
20					X			
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.

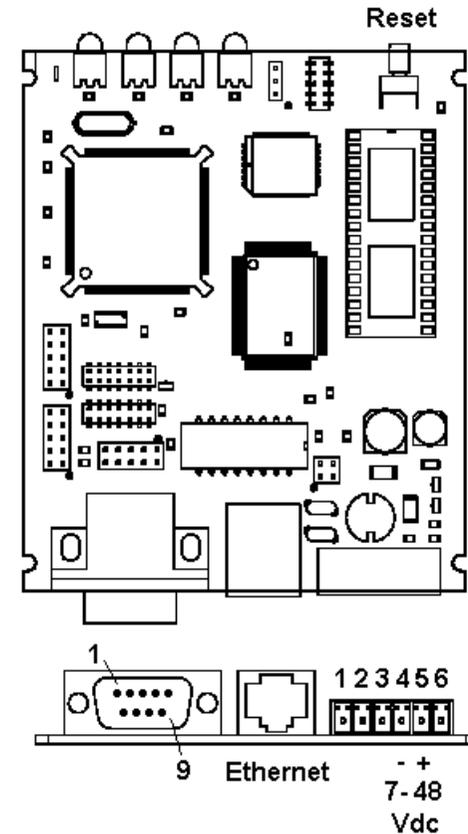
### 3. Connection

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 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 between 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**

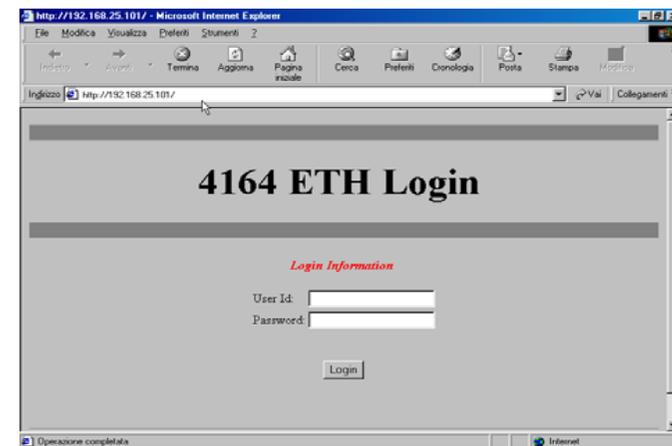
First step is to configure the PC with the same class of IP address eg 192.168.25.xxx.

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>

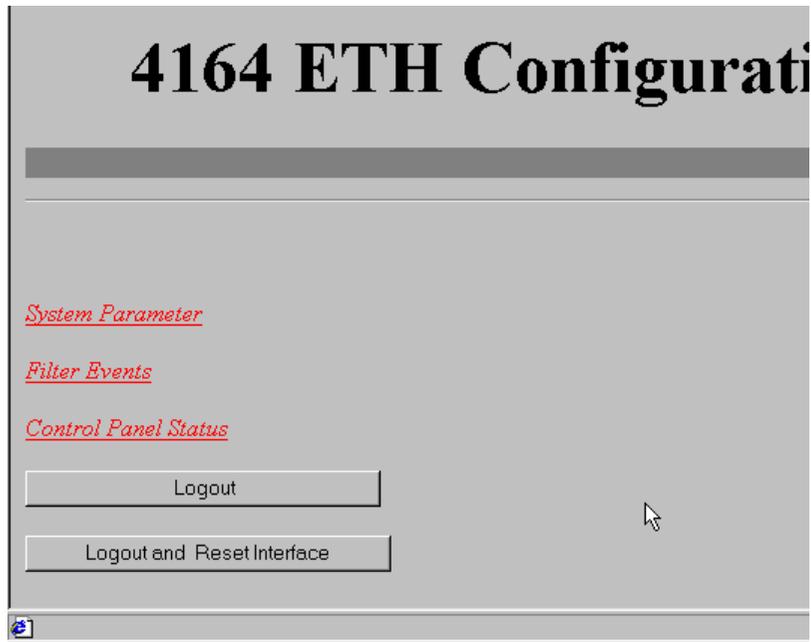
The following screen will appear:



Default value are:

**UserID=master**  
**Password=master**

When the login is done the following screen will appear:



### 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).

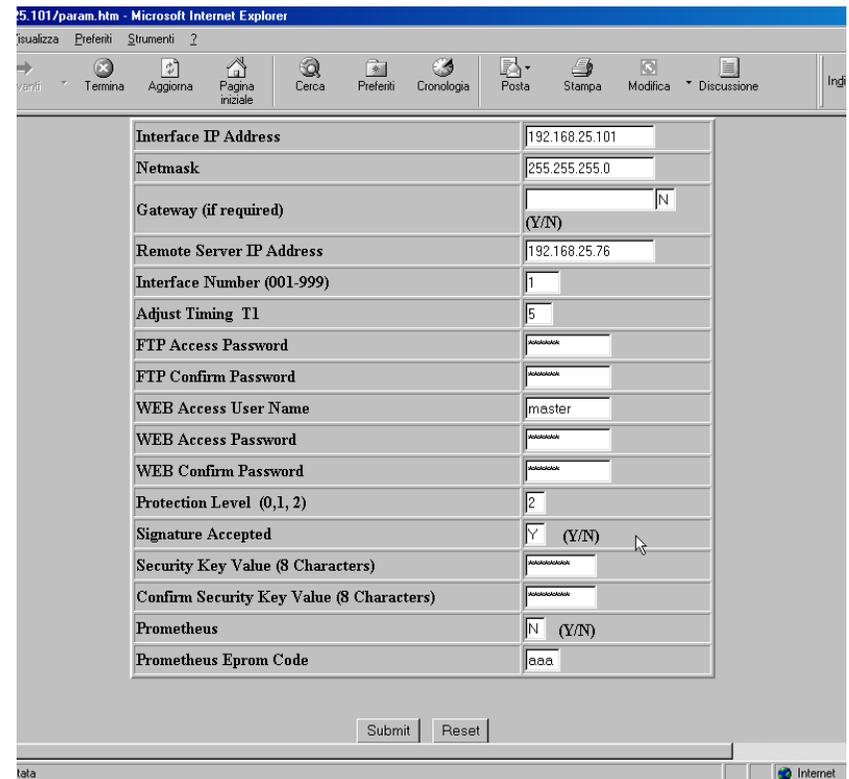
### Logout

EXIT programming mode.

### Logout and Reset interface

EXIT programming mode and reset interfaces.

### System Parameter



### 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' possibile 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=On

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.

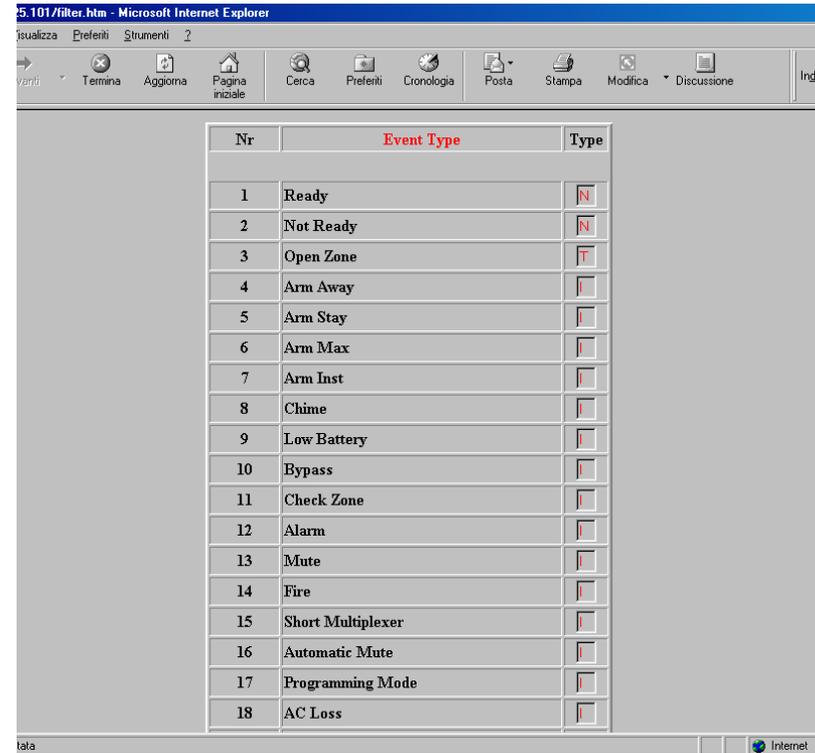
**Prometheus Eprom Code**

If Prometheus is connect insert aaa.

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

**Filter Events**

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

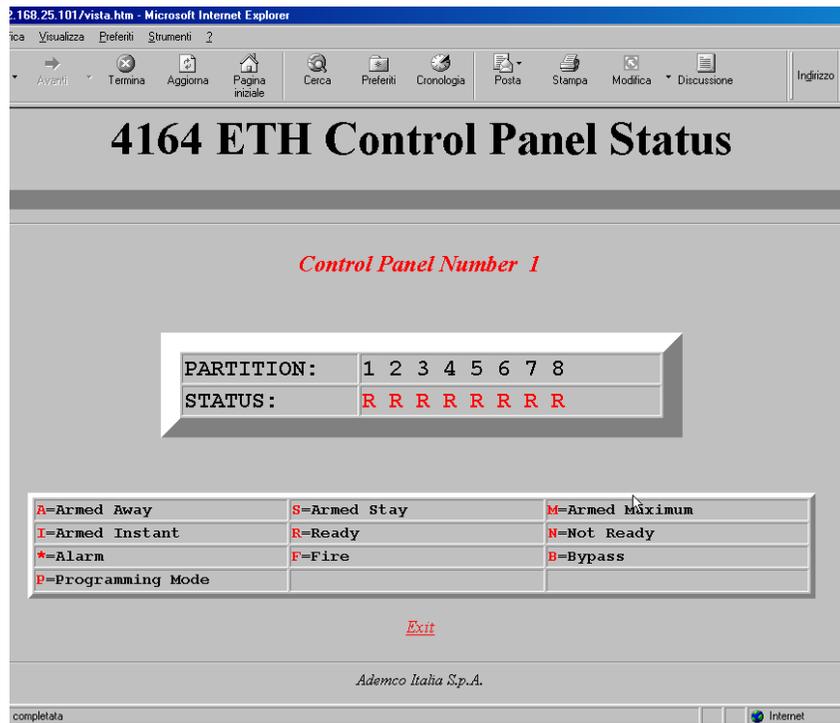


I= The Event will send immediately

T= The event will send together an I event when this will occur.

N=The event will never send.

**Control panel status**



From this screen it is possible to view the status of control panel connected to the interface.