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Alarm Panel
DE9600

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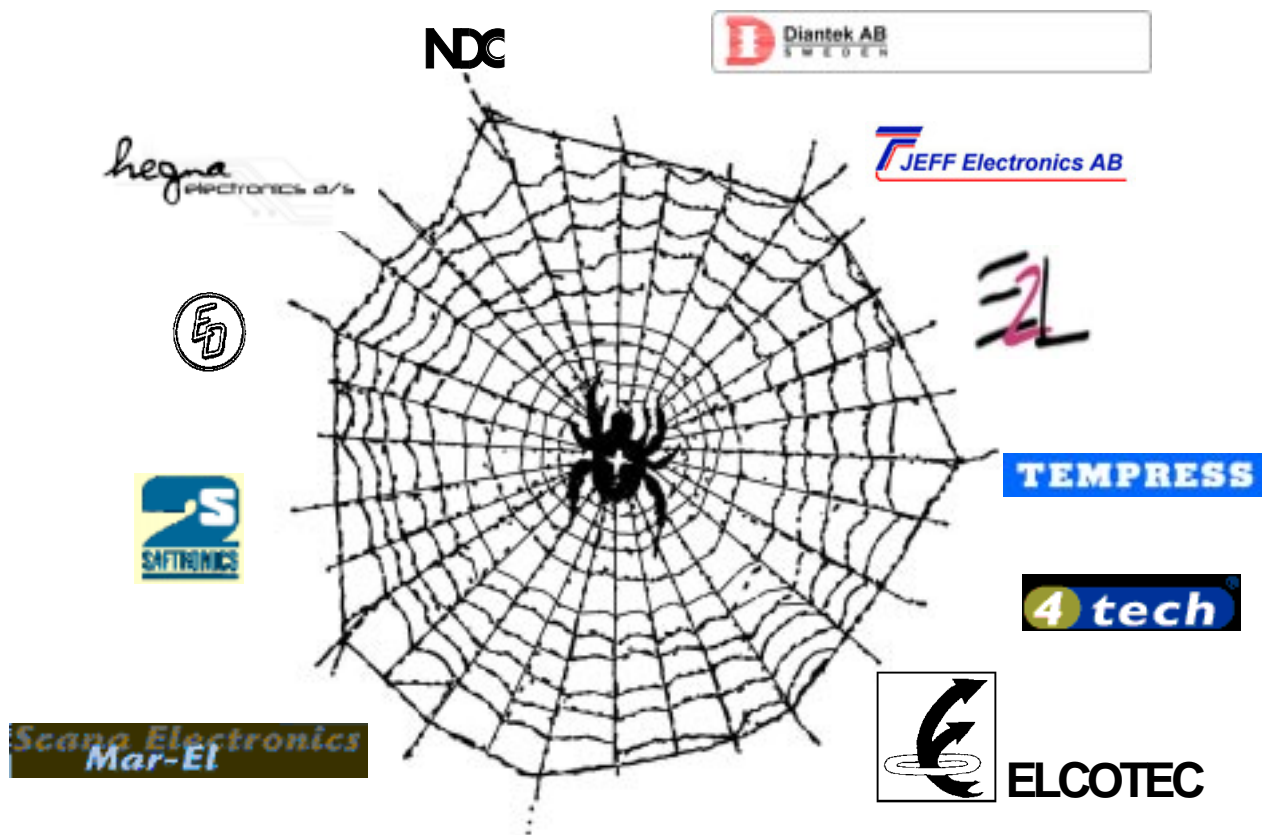
ALARM PANEL DE9600

Computer alarm panel for up to 64 channels
Hegna Electronics AS

- **First alarm indicator**

- **16-64 alarm channels**

- **Descriptive text to identify a channels can be used**

- **Printer output**

- **RS 232 Interface**

- **12-48V DC**

- **Individual eligible alarm, normally open or closed (No/Nc)**

- **4 switching outputs using group alarms (A-B-C-D alarm)**

- **Individual eligible time delay**

- **IP55**

- **Certificated in CE-standards EN 50 081-1 and EN 50130-4**

DESIGN

The DE9600 alarm panel is a versatile unit designed to monitor various input conditions and report on the state of the inputs in various ways.

The unit is modular and accepts a number of different input modules to be installed thus catering for digital (On/Off) inputs, and Dupline bus inputs.

Reporting can be done to the units front-panel display (including alarm indicators and audible alarms) while at the same time detailed information is reported via a RS232 interface which can be directly connected to a printer or a computer e.g. a PC.

An internal real-time clock keeps track of the time of state changes.

Any channel in the system can be assigned to any of 1 of 3 Group Alarm Output Relays. A Primary Alarm on a channel will activate the group alarm relay of the group to which the channel is assigned. If any Group Alarm Relay is activated, the Common output will also be activated. Pressing ACKN will deactivate all group and Common relays.

An easy to use PC program allows the DE9600 to be configured. The configuration file is downloaded from the DE9600 via the RS232 connection. In the DE9600 the configuration data is stored in a non-volatile memory, allowing the unit to retain its configuration data under power off conditions.

The configuration data may also be updated from the keypad on the DE9600 front panel.

Indicators:
If no faults or alarms are present POWER ON and SYSTEM ACTIVE led indicators are on.
Power ON LED:
Whenever power is applied the green power ON LED will be on to indicate that the system is powered.
System Active LED:
During operation the green System Active LED will be on to indicate that the system is active. When doing operations on the DE9600 that impairs normal operation the System Active LED will turn off.
Fault LED:
During operation the red Fault LED will be on whenever any of the inputs are in fault state. It will only turn off whenever all inputs are normal.
Act. Alarm LED:
During operation the red Act. Alarm LED will turn on either on the first fault state detected after power on, or first fault state occurring after ACKN has been pressed (to acknowledge an active alarm). It will flash with approximately 2-second intervals.
The alarm-sounder will be activated in parallel with the Act. Alarm LED.
The Act. Alarm LED and sounder are turned off by pressing ACKN (acknowledge active alarm).

SECURITY

DE9600 is designed for severe mechanical and electrical environ-mental conditions. It is provided with protection against polarity reversal and accidental connection of voltage. In general all inputs and outputs are individually provided with an optical barrier so that input and output connections can be freely made without having to worry about ground loops or voltage differences.

The unit is in accordance with CE-standards: NEMKO. EN 50081-1 Electromagnetic compability, EN 50130-4

INSTALLATION

DE9600 is a compact unit for installation in a cabinet or wall. The configuration program and this manual are distributed on CD - rom. Optionally the program and manual may be ordered on floppy

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— 2 —

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DIMENSION

disks.
The software puts the following requirements on the PC on which it is run: PC with 486/166MHZ or better. Operating system, Win 95 or 98. Memory, 64Mbyte or more. Peripherals, CD-driver and serial port 2 available. Screen Resolution, 1024 x 768 or better.

SPECIFICATION

Supply voltage: 12-48V DC; 0,6A (at 12V)
Output contacts: 4 pcs of change-over contacts, max 230 VAC, 5A
Time delay: Individually adjustable time 0,1-25 sec. each channel.
Printer port: RS232/RJ45 (option 25 pin D-Sub)
Data com.: RS 232/RJ45
Front: Blue plastic
LCD display: Consist 4 lines by 20 characters.
Main dimension: 96x192x142 mm (hxbxd)
Panel recess: 92x188 mm
Weight: 1000g
Ambient temperature.: +5°C till +40°C
Hygroscopic moisture: 10- 90% RH, not condensed.
Protection: Front IP55, RearIP20

ORDERING INSTRUCTIONS

9600-16   16 channels alarm system
9600-32   32 channels alarm system
9600-48   48 channels alarm system
9600-64   64 channels alarm system

Instructions to add:
* First alarm indicator
* Follow alarm indicator
* Easy connection on the backside.
* 2-conductor bus for 16 and 32 channels.

188

92

142   50

DE 9600

Fault 1
Fault 2
Fault 3
Fault 4

SET   ⬆   SYS
⬅   HOME   ➡
NORM   ⬇   ACCEPT
DEL   ENTER   ACKN

◯ POWER ON   ◯ FAULT
◯ SYS.ACTIVE ◯ ACT.ALARM