# TG SOFTWARE SERIES GRAPHIC
# MANAGEMENT SOFTWARE

The TG Morley-IAS graphic program allows fast and easy administration of any incident that arises in one or more centres directly from a PC. It is possible to include sounds, voice or video for any type of incident arising in the system.

Using the TG administration program, it is possible to read off the state of each item of equipment and to determine its state, describe the type of signal, deletion etc.

The history system enables events to be listed or printed out on the basis of the type of equipment, the event, the date, the user etc.

Connection with the systems can be made directly to the serial port of the administration computer (15 metres according to the RS232C standard)
or by means of the protocol. Through its own Intranet system to any geographical point.

An SMS message transmitter (reference TGGSM) may be connected to send selected events to the mobile GSM telephones indicated. The event, the equipment, the incident, the address and the time can be displayed.

The program comprises 128 access levels with user-configuration permits.

The simulation option allows incidents to be generated and the indications to be visualized.

The maintenance option generates a list showing the state of the equipment and enables selected items of equipment to be monitored.

It is possible for links to be created between planes, so that planes can be changed automatically according to the state and the path to any alarmed
or damaged equipment can be indicated.

The Morley-IAS system can also comprise BIEs, evacuation routes etc. in the extinguisher levels. This should also show the state, maintenance recommendations and instructions.

The different items of the installation can be arranged on BMP levels in different formats (640 x 480; 800 x 600 or .



Graphic Administration Software.
Series TG

1024 x 768 pixels depending on the configuration of the screen. The sensors and the input and output modules can be represented by using a complete library of icons included with the application or by means of geometric forms, so that a part of the plane can be highlighted if there is a change of state in an item of equipment. The installation planes can be linked to changes of plane and counters of equipment that has been alarmed, damaged, deleted etc. Optionally, an indication for the physical direction of each item of equipment can be included.
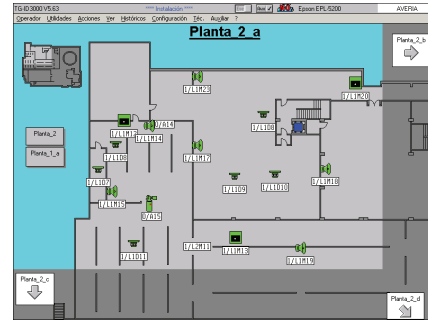
In the event of an alarm or any other event, a graphic representation of the condition of the sensor is shown in realtime. In this way, we can rapidly assess the development of the alarm and react accordingly, even before the system can initiate the evacuation process.

The program has the option of a rapid display of the state of the loop equipment. This screen will indicate the current condition of the 99 sensors and the 99 input and output modules. By pressing the selected equipment, it is possible to access its location in
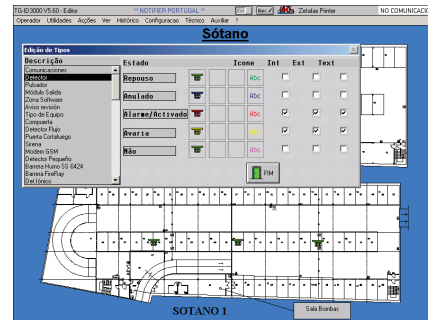the plane or even to modify its configuration.

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# TG SOFTWARE SERIES GRAPHIC MANAGEMENT SOFTWARE

The TG software incorporates options covering
the maintenance, inspection and monitoring of equipment
by direct on the spot readings, a graph
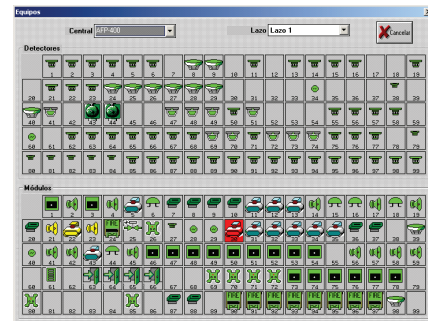of values or the storing of equipment values.

The history, with 'unlimited' capacity depending on the hard
disk of the computer, shows the nature of the incident and
the name of the active user at all times. The user can attach
information relating to the activities that have been carried
out and consult this later in the history. The events history
can include filters in respect of the date, the time the
equipment, zones, the nature of the event etc. Events
involving an alarm can be highlighted by the use of a
selected color (red in default). Similarly, each event can be
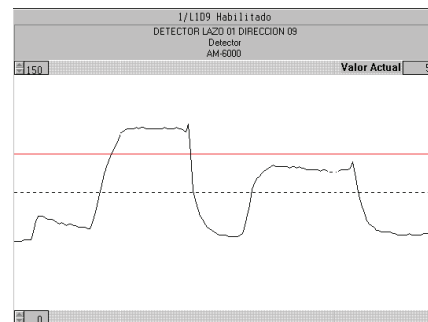linked to a given color to facilitateits subsequent display.

## CHARACTERISTICS

- Graphic administration software for Morley-IAS
  systems (Compatible with DXc System networks)

- Identification of each point on planes with icons,
  instructions and sounds that are configurable by state

- Visualisation of equipment values and an optional listing
  of equipment, monitoring of equipment, a
  graph of values and a window of loop equipment

- Administration and control of the system with options for
  deletion, mute, resetting and evacuation

- Changing the configurable interactive plane
  in line with the state of the equipment

- Different levels of access fully congurable by the user

- Historical administration with selectable
  display and printout for each type of register
  (date, user, system, event etc.)

- Option of calling SMS (TG-GSM) with a selection of
  messages based on the state or the type of the equipment

- RS-232 connection of up to 15 m
  either via IP or via intranet

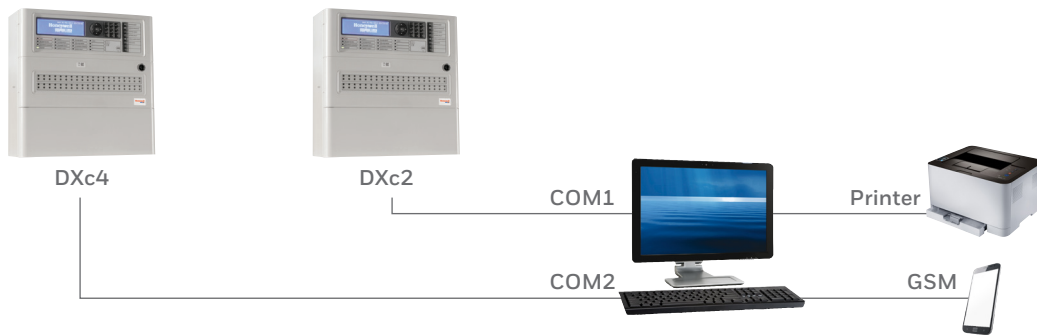- Maintenance administration for extinguishers, BIE, etc.


Screen plan with alarm equipment


Screen with equipment options


Screen with equipment options


Screen with equipment graph


History display screen

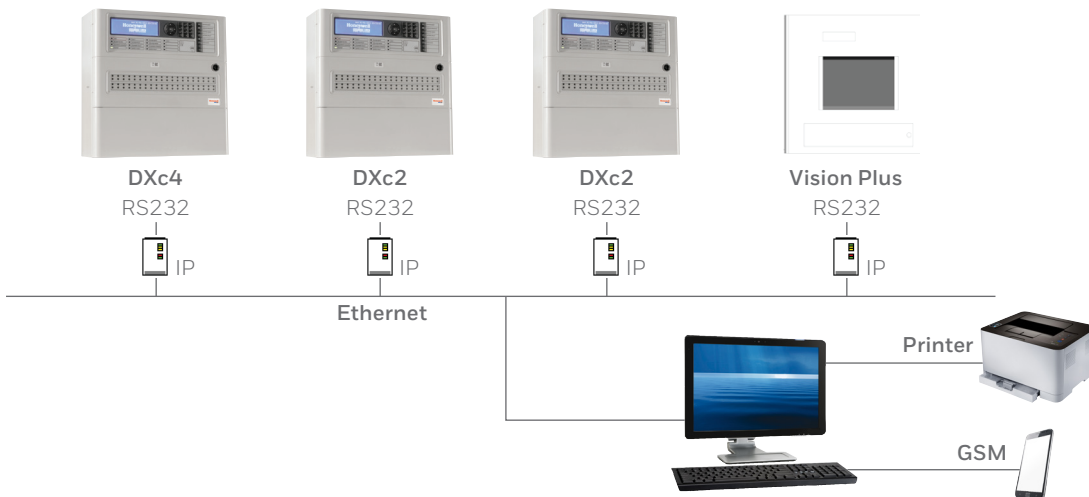# TG SOFTWARE SERIES GRAPHIC MANAGEMENT SOFTWARE

# APPLICATIONS

## Configurations

There are different topologies for the connection between systems and the management program:

1. Direct connection between the serial port RS232 of the system (DB9) and the serial port RS232 of the management computer. This connection enables the connection of as many systems to as many serial ports that the computer possesses. The number of RS232 serial ports can be increased by using RS232 to USB converters. If the distance between the system and the computer is greater than that indicated in the EIA-232C standard (15 metres), RS232 amplifiers can be used, reaching distances of several kilometers.
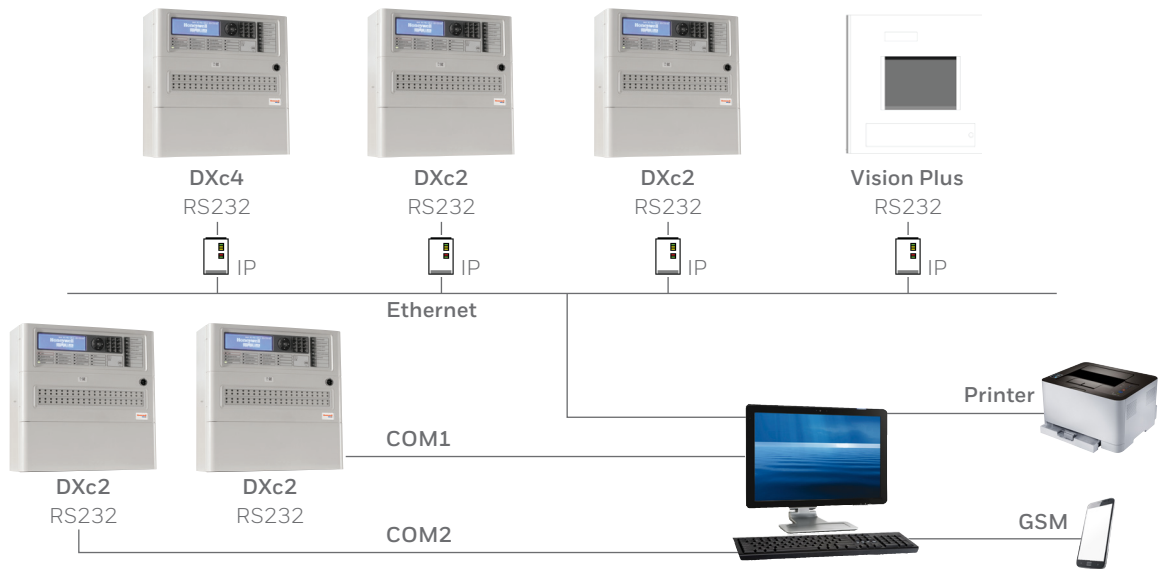


2. The connection of up to 10,000 systems via IP (TG V7), using the Morley-IAS RS232 to RJ45 (IP), reference TG-IP, for networks operating at 10/100 MHz. In this case, the computer will receive the relevant information through its network RJ45 card.
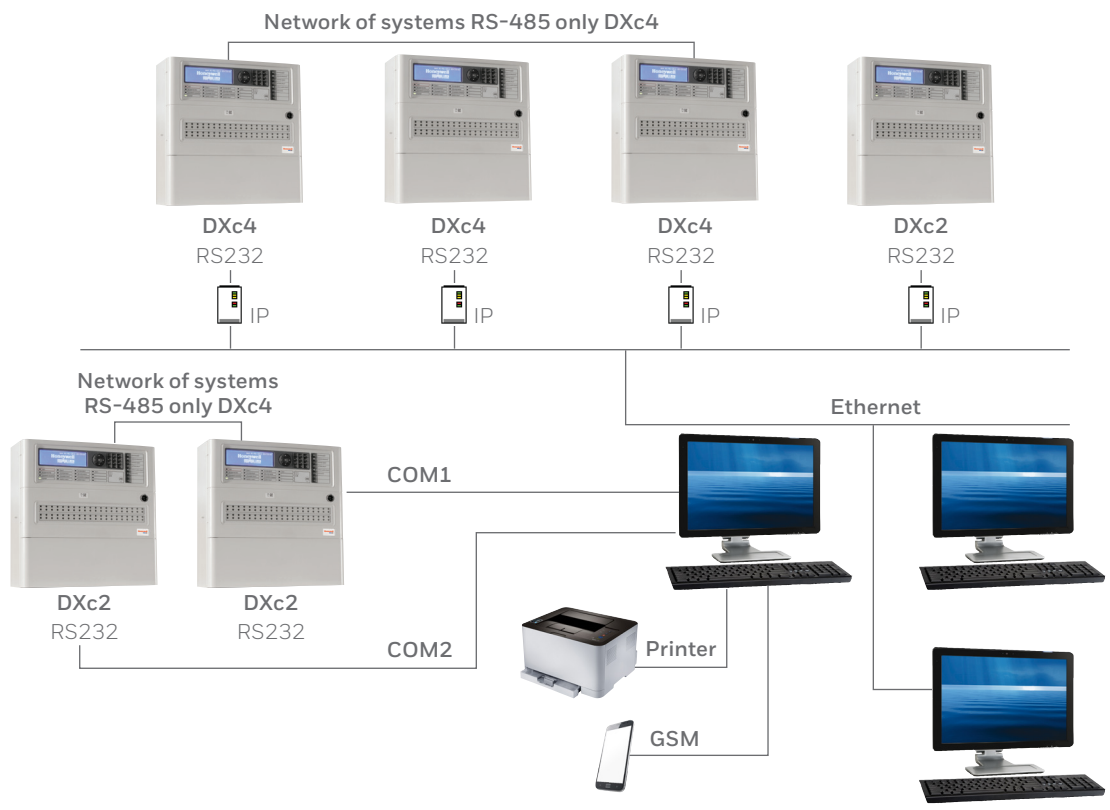
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3. The connection of a number of systems directly to the serial port, with others via IP.



| DXc4 | DXc2 | DXc2 | Vision Plus |
| RS232 | RS232 | RS232 | RS232 |

IP  IP  IP  IP

Ethernet

DXc2  DXc2
RS232  RS232

COM1

COM2

Printer

GSM

4. The connection of a number of systems directly to the serial port, with others via IP, the connection of network systems and the transmission of events to different computers within the same corporate network (Intranet). This topology contains a 'master' computer that receives information from all the systems and sends it to all computers within the same network. The same activities can be carried out by any computer as from he master, depending on the permit. The configuration and the planes of all equipment can be shared or there may be a seperate configuration for each computer. The systems that are connected simultaneously to graphic software and to the network must be preferably DXc4 and the networks must not have more than 12 systems. If this is not the case, there will be no software control and management options and the individual management functions for each item of equipment will be reduced.



Network of systems RS-485 only DXc4

| DXc4 | DXc4 | DXc4 | DXc2 |
| RS232 | RS232 | RS232 | RS232 |

IP  IP  IP  IP

Network of systems
RS-485 only DXc4

Ethernet

DXc2  DXc2
RS232  RS232

COM1

COM2

Printer

GSM

# TG SOFTWARE SERIES GRAPHIC  MANAGEMENT SOFTWARE



Multiples of secondary management computers can be connected to any point of the company's corporate network (Intranet)

Transmission of selected events from mobile telephone systems in the form of SMS message of up to 160 characters.

Each event can actívate an audio message (Wav) or a previously stored video.

Video archives can be connected indicating the route to be followed up to the equipment or to the evacuation route.

**For more information,**
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