



MORLEY  **IAS**
FIRE SYSTEMS

by Honeywell

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DX

**product
manual**

This manual should not be left with the end user.

1 Introduction

1.1 Notice

- The material and instructions covered in this manual have been carefully checked for accuracy and are presumed to be correct. However, the manufacturer assumes no responsibility for inaccuracies and reserves the right to modify and revise this document without notice.
- These instructions cover the installation, maintenance and programming of the Dimension Series Fire Alarm Control Panels. Refer to the User Manual (P/N 996-148-000-X) for details of how to operate the system.
- The DX1e, DX2e and DX4e Fire Alarm Control Panels are 1, 2 and 4 loop panels for use with analogue addressable devices from the following detector manufacturer ranges:

For use with software version 3.00, or later.

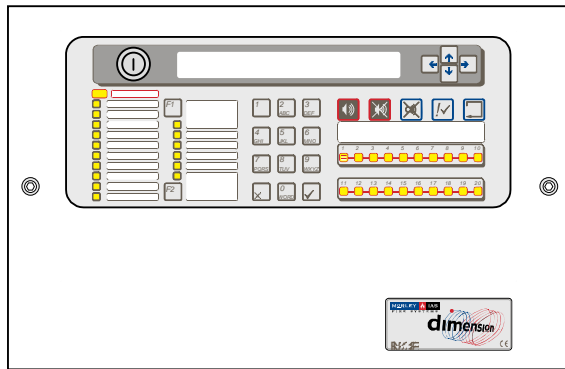


1.2 Models

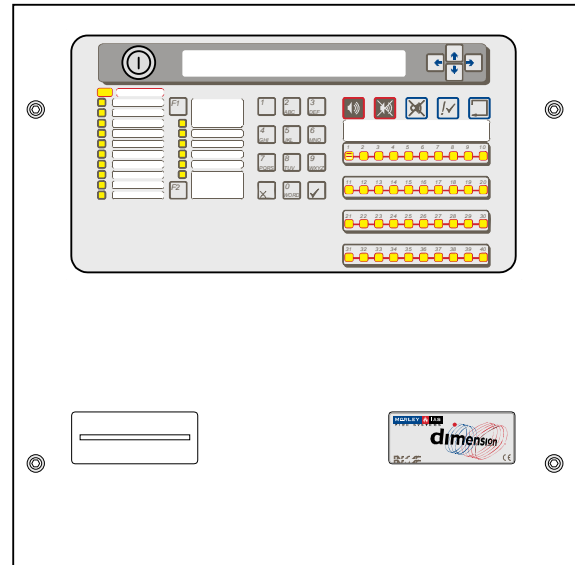
- The Dimension Series Fire Alarm Control Panels are available in a range of enclosure sizes. An optional printer kit is available for all models except for the small enclosure. This manual covers the following models:

| Model | No. of Loops | Enclosure | Max. Battery Size | No. of Zones |
|----------|--------------|-----------|-------------------|--------------|
| DX1e-20S | 1 | Small ☒ | 7Ah | 20 |
| DX1e-40M | 1 | Medium | 12Ah | 40 |
| DX2e-40M | 2 | Medium | 12Ah | 40 |
| DX4e-40L | 4 | Large | 17Ah | 40 |

☒ = A printer cannot be fitted in this enclosure



DX1e-20S



DX1e-40M
DX2e-40M

Installer Fit Options:

Key-switch: P/N 795-083. All models. Can be used for:

- a) Level 2 Access Control
- b) Class Change
- c) Bomb Alert

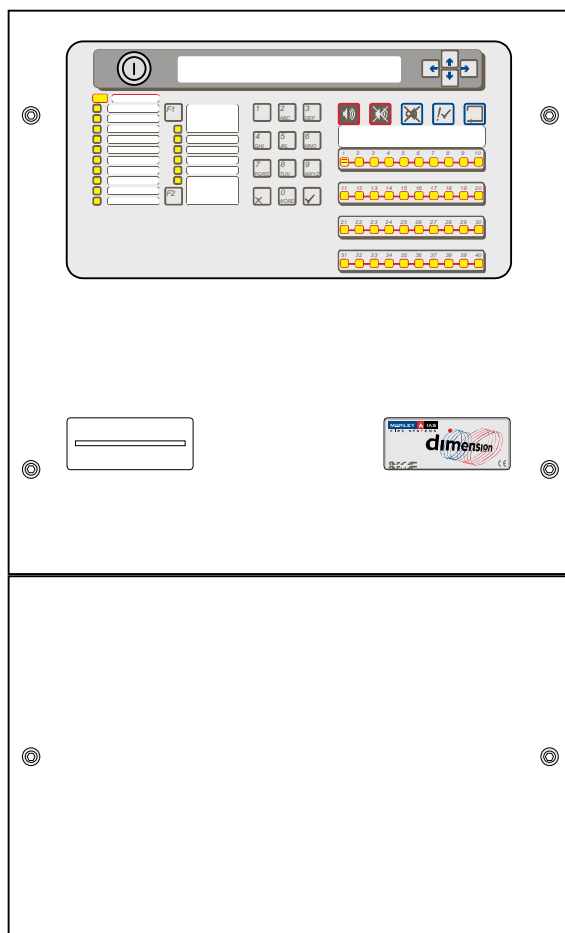
Printer: P/N 795-085. The following panels are compatible: DX1e-40M, DX2e-40M & DX4e-40L.

Note: Requires a control panel cover with printer slot (P/N 797-073).

Specials: Large Enclosure Only. The following special options can be installed in the lower cabinet area. Contact Sales / Customer Services for further details.

Examples:

- a) Graphical Mimic Display
- b) Up to 4 Key-Switches
- c) DIN Rail mounted modules



DX4e-40L

1.3 Warnings and Cautions



These instructions contain procedures to follow in order to avoid injury and damage to equipment. It is assumed that the user of this manual is a suitably trained installer who is familiar with the relevant regulations.



Electro-static Sensitive Devices.

Take suitable ESD precautions when removing or installing printed circuit boards.



This panel is CE Marked to show that it conforms to the requirements of the following European Community Directives:

The EMC Directive 2004/108/EEC, by the application of the following EMC Standards:

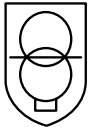
- EN 61000-6-3: Electromagnetic Compatibility (EMC) Generic emission standard for Residential, Commercial and Light industrial environments
- EN 50130-4: EMC Product family standard: Immunity requirements for components of fire, intruder and social alarm systems.

Low Voltage Directive 2006/95/EEC, by the application of the safety standard:

- EN 60950-1: Safety of information technology equipment.

The Construction Products Directive 89/106/EEC, by the application of the following standards:

- EN 54-2:1998, (Amd. 1 & 2): Fire detection and fire alarm systems - Control and indicating equipment.
- EN 54-4: 1998, (Amd. 1 & 2): Fire detection and fire alarm systems - Power supply equipment.



This symbol identifies that the Panel uses a safety isolating mains transformer.



CAUTION: A Lithium Battery is used for Clock Retention (Models DX2 and DX4).

RISK OF EXPLOSION IF THE BATTERY IS REPLACED BY AN INCORRECT TYPE. Dispose of used batteries responsibly and in accordance with any local regulations.

See Section 5.2.1 for further details.



EN54-2 13.7
Maximum of 512 sensors / manual call points per panel.

- The Dimension Series of panels has many features that, if used inappropriately, may contravene the requirements of EN54. Where such a possibility may arise, a suitable warning is given with brief details of the EN54 requirement and the relevant section it pertains to. A typical EN54 non-compliance warning is illustrated.

1.4 National Approvals

- This equipment must be installed in accordance with these instructions and the appropriate national, regional and local fire systems installation regulations specific to the country and location of the installation. Consult with the appropriate Authority Having Jurisdiction (AHJ) for confirmation of the requirements.



All equipment is to be installed in accordance with the appropriate standards for the country and area of installation.

- This equipment must be installed in accordance with these instructions and the appropriate national, regional and local wiring regulations. In the UK the wiring must conform to the requirements of the latest edition of the IEE Wiring Regulations.