

## Features

- Complies with EN54 part 2 and part 4
- Optional 20 or 40 fire zones
- 2 independent sounder circuits
- 500mA Universal Loop Driver
- Supports Apollo (Xplorer, XP95 and Discovery), Hochiki (ESP), Morley-IAS & System Sensor
- 7 day timers
- Day/Night mode switching
- Onboard monitored inputs
- Programmable user function keys
- Event logging
- Onboard diagnostics
- User access restriction
- All metal enclosure
- Plug-in connectors
- Optional internal printer
- PC configuration software (optional)

The Dimension series of intelligent multi protocol fire alarm control panels from Morley-IAS Fire Systems have been developed based on two concepts - **simplicity and reliability**.

**DX1e**  
single loop multi protocol  
intelligent fire alarm  
control panel

# Data Sheet

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Simply, fix the control panel to the wall, connect the field wiring and everything else is configured in the software. Even programming the control panel is simple. No computer is required and it only takes a few key presses to have a working fire alarm system. First, set the protocol for the loop devices. Second, "Autolearn" the panel and finally, "Reset" the panel. The control panel is now protecting the building.

The Dimension series provides additional features allowing:- programmable text messages to identify the exact location of each field device, a class change input for schools, coincidence and verification detection (false alarm management), sensitivity adjustment (between day and night), programmable function buttons, input/output logic and extensive event logging. A feature rich fire alarm control panel constructed from high specification components to help both the installer and the end user.

The Dimension series is especially suited to small offices, retail units, health centres, leisure facilities, cinemas, nursing homes, sheltered housing and small hotels to name but a few applications. A compact, high performance, economical fire alarm control panel for the protection of small to medium sized buildings.



# Mechanical

## Dimensions (H x W x D):

DX1e-20S 245 x 380 x 110 mm  
 DX1e-40M 380 x 380 x 130 mm  
 DX1e-40MP 380 x 380 x 130 mm

## Weight (Excluding batteries):

DX1e-20S(F) 5 Kg DX1e-40M(F) 7 Kg DX1e-40MP(F) 7.2 Kg

## Material

1.2mm Zintec powder epoxy coated

## Colour

RAL 9001 - Cool Grey

## Knockouts

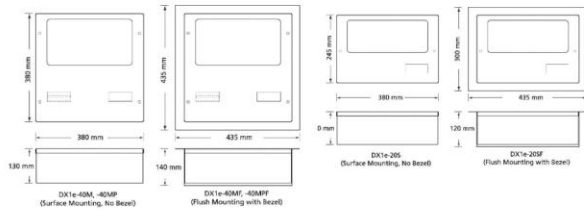
Top: 19 x M20 Bottom: 3 x M20.

## Temperature

Operating: 0°C to +45°C Storage: 10°C to +55°C

## Relative Humidity

5% to 95% non condensing.



# Electrical

## Operating voltage

230Vac (+10%, -15%) 50-60 Hz

## PSU Rating

DX1e-20S(F) 24 Vdc 3A  
 DX1e-40M(F) 24 Vdc 3A DX1e-40MP(F) 24 Vdc 3A

## Standby Batteries

DX1e-20S(F) 2 x 7Ahr DX1e-40M(F) 2 x 7Ahr or 2 x 12Ahr  
 DX1e-40MP(F) 2 x 7Ahr or 2 x 12Ahr

## Auxiliary output\*

+24 Vdc 250mA fused

## Loop Capacity\*\*

1 Loop, 500mA, 126 devices Apollo

Protocols, 126 devices Hochiki Protocol, 198 devices Morley-IAS

Protocol, 198 devices System Sensor Protocol

## Output Relays

Fire relay: Single pole changeover 30Vdc 1A

Fault relay: Single pole changeover 30Vdc 1A

Aux relay: Programmable single pole changeover 30Vdc 1A

## Onboard Inputs

Keypad: programmable for select functions

Input #1: programmable (monitored) for select functions

Input #2: programmable (monitored) for select functions

## Data Ports

1 x RS 485 (Repeater connections) 1 x RS232 (PC Programming)

## Sounder Circuits

2 output circuits, 1A available across both circuits.\*

# Fire System Compatibility

Morley-IAS is fully committed to offering practical solutions and supporting products that enhance your buildings control systems.

## Other Supporting Products Include

- Morley-IAS Intelligent Public Address and Voice Alarm Equipment
- Morley-IAS ZX range of networkable analogue addressable Fire Alarm Panels
- Morley-IAS Dimension Analogue Addressable Panels
- Morley-IAS Horizon Conventional Panels
- Morley-IAS Extinguishing Panels

For further details on these or any other Morley-IAS product please contact your local distribution point, Morley-IAS Regional Sales Manager or via our contact details.

Morley-IAS by Honeywell a real choice for fire solutions, committed to supporting our device partners.



by Honeywell

# User Interface

## Display

2 x 40 character backlit liquid crystal

## Control keys

Sound Alarms, Silence/Resound, Mute Buzzer, Accept, Reset.

## Programmable keys

2 independent programmable buttons and LED indicators.

## Programming keys

12 button alpha numeric key pad and 4 cursor keys.

## Indicators

Fire, Fault, Test, Disablement, Delayed Mode, Alarms Silenced, Buzzer Muted, Sounders Disabled, Relays Disabled, Power Supply Fault, CPU Fault, Sounder Fault and Earth Fault.

## Zonal

20 or 40 Fire zones LED indicators.

# Part Numbers

705-001	DX1e-20S Single loop Fire Alarm Control Panel (20 fire zones).
705-021	DX1e-20S-M Single loop Fire Alarm Control Panel (20 fire zones). Morley-IAS Protocol only.
705-002	DX1e-40MP Single loop Fire Alarm Control Panel (40 fire zones).
705-022	DX1e-40M-M Single loop Fire Alarm Control Panel (40 fire zones). Morley-IAS Protocol only.

# Accessories

795-083	Keypad Kit
797-066	Bezel kit for DX1e-20S
797-067	Bezel kit for DX1e-40M, -40MP
797-073	DX-M control panel cover with printer slot
795-085	Internal printer kit for DX-M
070-010	Printer paper roll
709-601-001	ZXR-A Active Repeater
709-701-001	ZXR-P Passive Repeater
795-082	Engineers SPK (Software Programming Kit)
795-080	PC Interface Lead for programming all Morley-IAS control panels

Note: \* Maximum available current will be dependent on full control panel loading.

\*\* Only one protocol can be selected within the control panel.