dimension

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.**

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.

MORLEY IAS
FIRE SYSTEMS
by Honeywell

DX1e
single loop multi protocol intelligent fire alarm control panel

Data Sheet

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
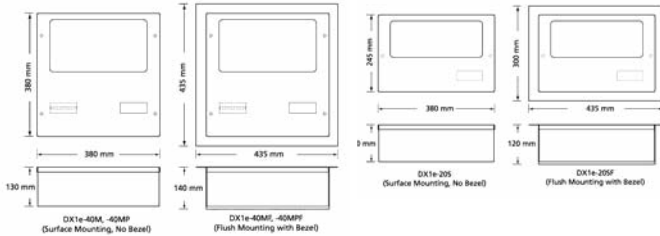
Colour RAL 9001 - Cool Grey

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 Keyswitch: 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.*

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-205-M Single loop Fire Alarm Control Panel (20 fire zones). Morley-IAS Potocol 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 Potocol only.
705-003	DX1e-40MP Single loop Fire Alarm Control Panel (40 fire zones) with internal printer.
705-011	DX1e-20SF Single loop Fire Alarm Control Panel (20 fire zones). Flush mounting.
705-012	DX1e-40MF Single loop Fire Alarm Control Panel (40 fire zones). Flush mounting.
705-013	DX1e-40MPF Single loop Fire Alarm Control Panel (40 fire zones). Flush mounting with internal printer.

Accessories

795-083	Keyswitch Kit
797-066	Bezel kit for DX1e-20S
797-067	Bezel kit for DX1e-40M, -40MP
795-085	Internal printer kit
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.

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.