

## 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

We reserve the right to amend any design or specification in line with our policy of continuing development and improvement. © Morley-IAS Fire Systems 2003.

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.



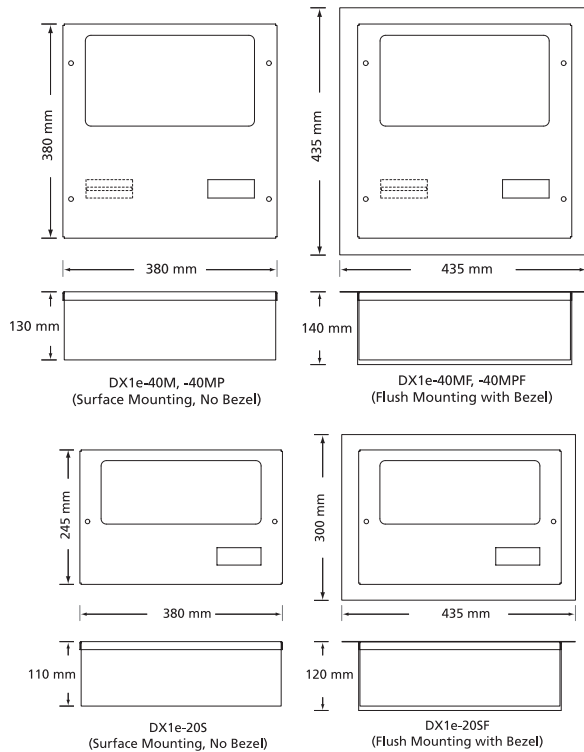
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# mechanical

Dimension (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
Stand-by 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.*

# 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)
705-002	DX1e-40M Single loop Fire Alarm Control Panel (40 fire zones)
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	Keypad 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.

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