dimension

features

- **Complies with EN54 part 2 and part 4**
- **40 fire zone LED indicators**
- **2 independent sounder circuits**
- **500mA Universal Loop Drivers**
- **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.**

DX4e

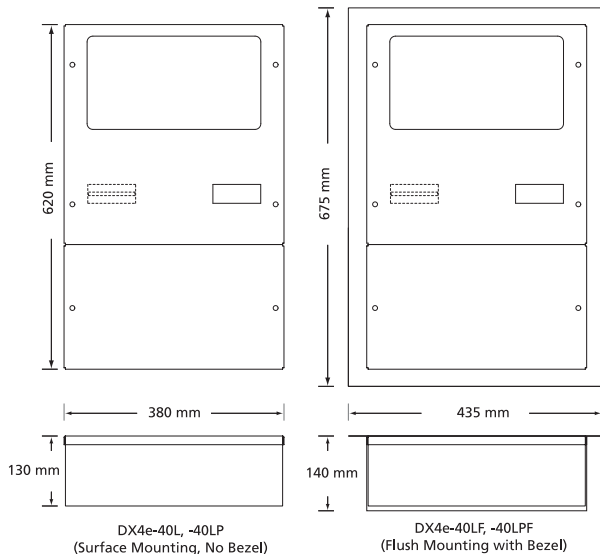## 4 loop multi protocol intelligent fire alarm control panel

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 offices, retail units, health centres, leisure facilities, cinemas and hotels to name but a few applications. A compact, high performance, economical fire alarm control panel for the protection of medium sized buildings.

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A Honeywell Company

mechanical

Dimension (H x W x D) :
| | |
DX4e-40L | 620 x 380 x 130 mm
DX4e-40LP | 620 x 380 x 130 mm

Weight (Excluding batteries):
DX4e-40L(F) | 9 Kg
DX4e-40LP(F) | 9.2 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

620 mm
675 mm
380 mm
435 mm
130 mm
140 mm

DX4e-40L, -40LP
(Surface Mounting, No Bezel)

DX4e-40LF, -40LPF
(Flush Mounting with Bezel)

electrical

Operating Voltage : | 230Vac (+10%, -15%) 50-60 Hz
PSU Rating :
DX4e-40L(F) | 24 Vdc 4A
DX4e-40LP(F) | 24 Vdc 4A
Stand-by Batteries :
DX4e-40L(F) | 2 x 12AHr or 2 x 17AHr
DX4e-40LP(F) | 2 x 12AHr or 2 x 17AHr
Auxiliary output * : | +24 Vdc 250mA fused
Loop Capacity*,** : | 4 Loops, 500mA per loop
126 devices per loop, Apollo Protocols
126 devices per loop, Hochiki ESP Protocol
198 devices per loop, Morley-IAS Protocol
198 devices per loop, 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 sounder 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 : | 40 Fire zones LED indicators.

part numbers

705-008 | DX4e-40L 4 loop Fire Alarm Control Panel.
705-028 | DX4e-40L-M 4 loop Fire Alarm Control Panel. Morley-IAS Protocol only.
705-009 | DX4e-40LP 4 loop Fire Alarm Control Panel with internal printer.
705-018 | DX4e-40LF 4 loop Fire Alarm Control Panel. Flush mounting.
705-019 | DX4e-40LPF 4 loop Fire Alarm Control Panel with internal printer. Flush mounting.

accessories

795-083 | Keyswitch Kit
797-068 | Bezel kit for DX4e-40L, -40LP
795-085 | Internal Printer for DX series
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.