

Protect your initial system investment with Demco's Total Control Panel Solutions

Expandable Demco Easizon Conventional Control Panels & Mimic Panels



D-020



D-036

Conventional control panels with 4 zones expandable to 36 zones

EASiZON™



EN 54-2
EN 54-4
EN 12094-1



Mimic Panels

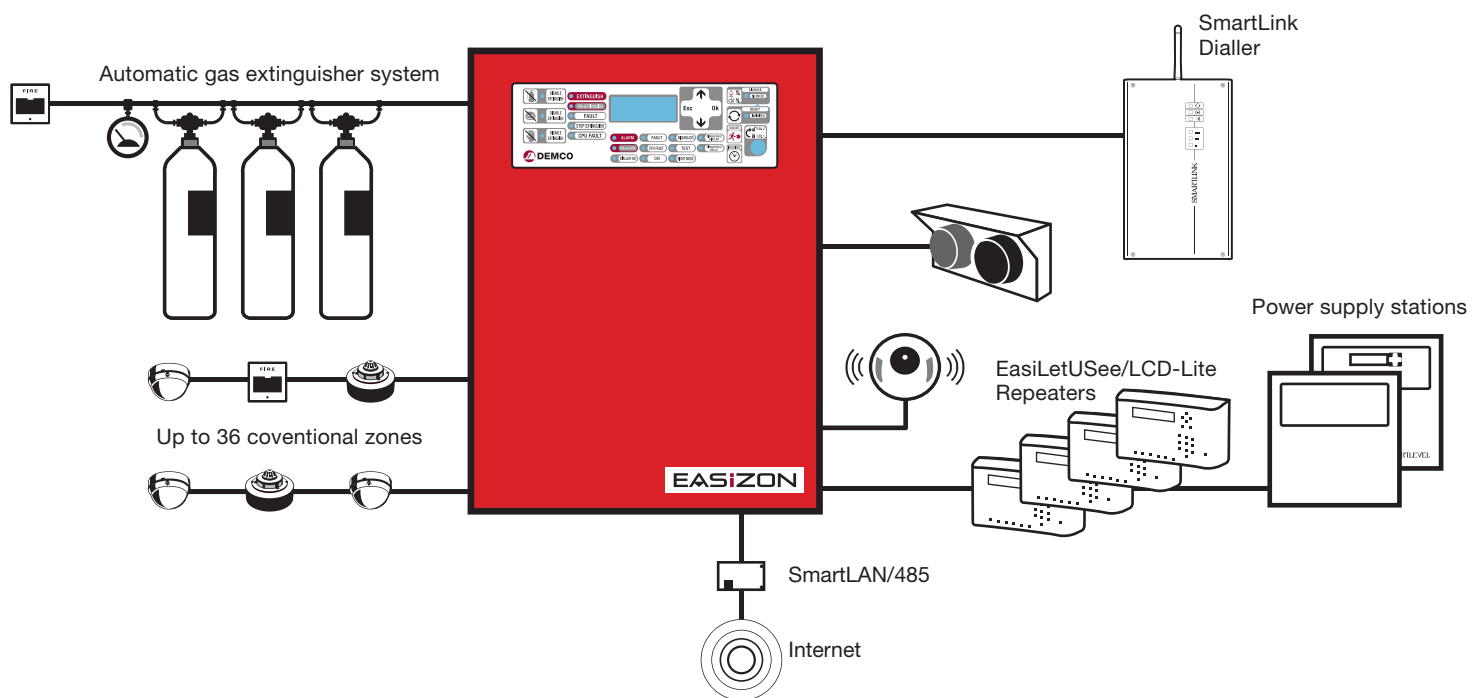


D-423



D-413





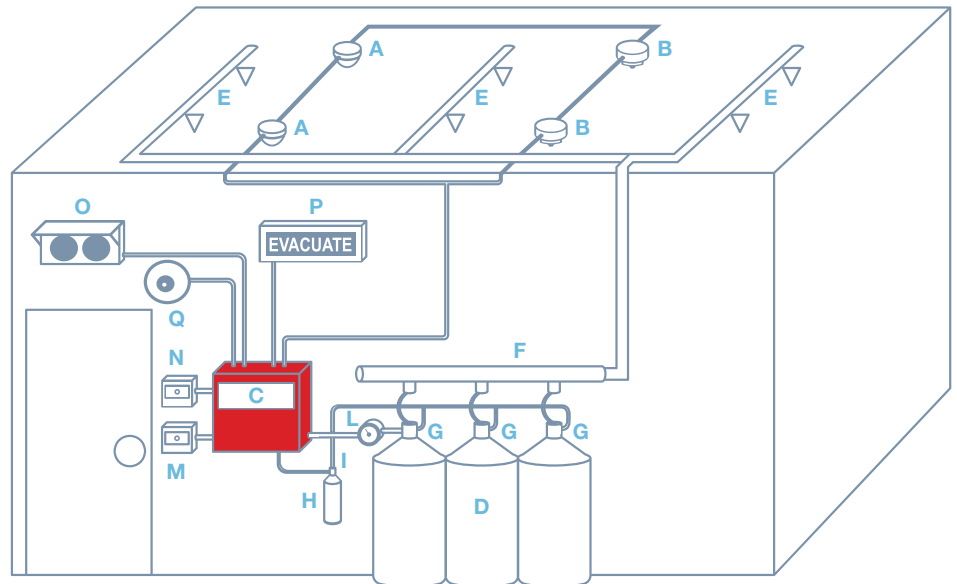
- Available in two 4 zone models. The **Easizon D-020** is expandable to 12 and 20 zones while the **Easizon D-036** is expandable to 28 and 36 zones.
- Being extremely **compact and user-friendly**, given their fast trouble-free installation and uncomplicated programming procedures, these control panels are ideal for all small and medium applications.
- Packed with numerous functions like timers, equational logic, etc. as well as functions for extensive flexibility like automatic output balancing, multifunction inputs, customizable outputs, gas function integration, etc.
- **Innovative connectivity** capabilities (RS485 BUS for power supply stations, Internet connection, etc.), provide the tranquillity of knowing for sure that this powerful tool is capable of satisfying every need of every type of installation.
- **Supervised outputs** (one on the motherboard and one on each added expansion) for the activation of audio-visual signalling devices, a customizable relay output, fault signaling outputs and two 24V outputs (one constant and one interruptible by installer-defined conditions).
- **Customizable control interface** is made possible via a terminal that comes with each detection zone. It can be configured as: open-collector output (activated by programmable conditions), supervised input, or Gas 4-20mA detector interface.
- **Easy-to-read system information** is obtained through the graphic display and LEDs on the frontplate.
- **4 remote repeater panels** (EasiLetUSee/LCD-Lite) are supported by RS485 BUS. These repeater panels replicate all the fire alarm system data and allow users to access and control the system in accordance with their authorized access level. The BUS also supports two power-supply stations which can be connected to allow supervision of their functionality, and activation/deactivation of their output power during predefined conditions.
- Straightforward and trouble-free system programming from the control panel is achieved via easy-to-follow instructions on the display.
- Intuitive programming is made possible via SmartLeague, an optional software that greatly simplifies the programming procedure plus allowing more controls.
- **Remote access** via the Internet is realized by SmartLAN/485 board which allows the control panel to be connected to an Ethernet network. Once the remote connection has been established, it is possible to modify the configuration parameters, upload/download programming data and/or manage the system by means of the supervisory software based on SmartLook graphic maps.

Fire Extinguishant

The addition of a EasiLetLoose/ONE fire extinction board to any Easizon series fire control panel provides the system with GAS extinguisher control capabilities in compliance with EN12094-1. The enhanced EasiLetLoose/ONE control panels provide all the functions required by the applicable normative and are capable of managing all devices required for fire detection system management. Easizon fire extinction control panels can operate autonomously or interface with addressable analogue control panels from the EasiLoop series by connecting to the EasiLoop's RS485 BUS.

Diagram key

- A** : Line 1 detectors
- B** : Line 2 detectors
- C** : Easizon fire extinguishant control panel
- D** : Gas extinguisher cylinders
- E** : Gas release nozzels
- F** : Gas collectors
- G** : Pneumatic release valve
- H** : Pilot cylinder for gas release
- I** : Pilot cylinder electrovalve
- L** : Pressure switch
- M** : Manual activation button (Extinguishant Release)
- N** : Stop extinguisher gas button (Abort Unit)
- O** : Visual gas-release-imminent indicator
- P** : Audio visual gas-present indicator
- Q** : Audible warning device



Application diagram

Main Features

- Certified EN12094-1
- Microcontroller board supervised by the CPU
- Indicator LEDs (status, disabled, faults)
- Supervised terminals for manual fire extinguishing commands
- Supervised terminals for STOP fire extinguishing commands
- Supervised terminals for pressure switch control
- Supervised output for fire suppression system activation
- Supervised output for signaling activation (pre-extinguish)
- Supervised output for "Gas-present" signaling

Powerful Yet Simple Programming Software

The SmartLeague programming and management software is intuitive and simple to use. This indispensable tool allows security professionals to control Demco fire detection systems with ease. It allows fast and easy control panel configuration and offers an overall view of the system. It is also capable of providing detailed wiring diagrams of the system terminals in accordance with the configured settings.



Ancillaries



Accessory items



EasiLine/8Z

8 zone expansion board equipped with an additional supervised output.



EasiLetUSee/LCD-Lite

Remote repeater panel with display and keypad for user operations.



SmartLAN/485

Ethernet connection board. Allows connection to an Ethernet network for remote programming and monitoring via internet using SmartLook graphic maps.



EasiLetLoose/ONE

Fire extinction board. Provides the system with GAS extinguisher control capabilities. Approval CPD-EN12094-1.



SmartLevel

Power supply station. Connectable to the RS485 BUS for supervision and management of control panel power outputs.

Features and Technical specifications

- Conventional fire-detection control panel
- Certified EN54 / EN54-2
- Certified EN12094-1 (Fire extinction)
- 4 zones expandable to 20 or 36 zones
- Supports up to 32 devices per zone
- Manages SmartLetLoose/ONE Fire Extinction board (Function EN12094-1 Approved)
- 1 supervised alarm output (NAC)
- 1 output for communicator/dialler activation
- 1 dry-contact alarm output
- 1 dry-contact fault output
- 1 ancillary power supply output
- 1 interruptible power supply output
- 1 additional terminal per zone configurable as: open-collector output, supervised input, Gas detector input with 4-20mA interface
- Battery shutdown relay for deep discharge conditions
- Backlit graphic display for easy management of Installer/User interface
- Navigation keys for easy access to graphic display functions
- Fast keys (Silence, Reset, Evacuate, Investigate)
- RS485 BUS for the connection of Repeater panels
- Buzzer (provides audible signals)
- 8 Timers
- Automatic balancing of individual detector lines
- RS232 connector for system programming from a PC
- Programming software
- Easy system programming from the control panel
- Access key for Level 2 functions (EN54 compliant)
- Thermal probe for battery optimization
- Battery efficiency test
- Extensive application of SMD reflux technology for higher reliability
- Powder coated metal enclosure
- Mains power supply 230V AC
- Switching power supply/battery charger 1.4A @ 27.6Vdc (for Easizon D-020) or 4A @ 27.6Vdc (for Easizon D-036)
- Battery housing for two 7Ah - 12V batteries (for Easizon D-020) or two 17Ah - 12V batteries (for Easizon D-036)
- Dimensions: (H x W x D for Easizon D-020) 325 x 325 x 80mm, (H x W x D for Easizon D-036) 497 x 380 x 87mm
- Weight (without batteries): Easizon D-020=3Kg; Easizon D-036=6Kg

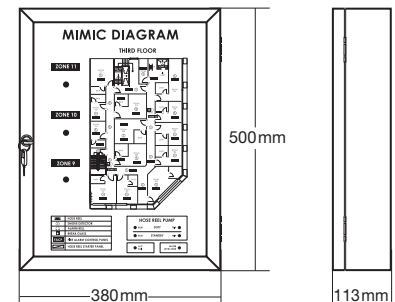
Specifications are subject to change.

EASIZON™

Mimic Panels

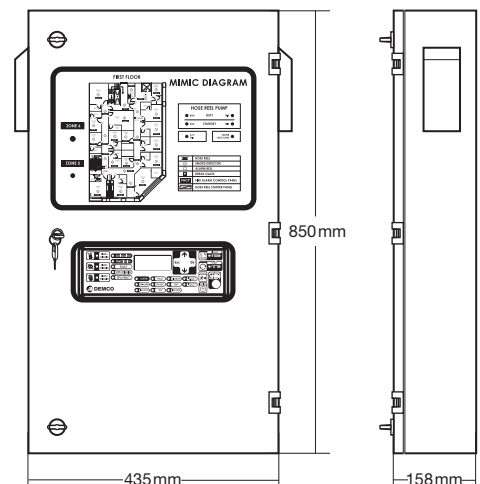
Demco's Mimic Panels **D-413** and **D-423** are housed in lightweight yet sturdily built enclosures perfectly matched Demco's Easizon conventional control panels. Full colour or monochrome floor plans are printed on polyester backlit film and covered with acrylic front sheet for protection. Zonal areas are backlit with super bright LEDs.

D-413



- Slim profile.
- Flat surface design to minimize gathering of dust and dirt.

D-423



- Robust design and IP 64 weatherproof.
- Optional Expansion Module available (external power supply required) for additional Audible/Visible output from 8 to 36 groups thus offers great flexibility in fire detection system design and floor management for multi-story buildings.
- Continuous or Interval Operation Mode can be selectively assigned to respective groups.
- Timer available for both Continuous or Interval Operation in every group.



DEMCO
INDUSTRIES SDN BHD
www.demcoalarm.com

Lot 3928, Jalan Keretapi Lama
Off Jalan Kapar 5 1/2 Miles
42100 Klang
Selangor Darul Ehsan
West Malaysia
Tel: +603-3290 3333
Fax: +603-3290 2288
E-mail: sales@demcoalarm.com



Quality without Compromise