DSC®

Take Fire Protection to the Next Level

Fire Products from DSC

DSC®

AFD2000 Addressable Fire Control Panel Series Provides Maximum Flexibility

The new AFD2000 is a completely programmable series of addressable, modular control panels which meet the EN54 standard and which are suitable for medium to large fire alarm installations.

Each loop supports 250 FireClass Digital Loop addresses – detectors and devices can be mixed and matched in any combination. In addition, each control panel offers one conventional zone for maximum flexibility for device compatibility.

Network up to 8 AFD control panels via the onboard RS485 bus for maximum expandability needed in larger installations.

Each output can be associated up to 4 zones and/or to 3 inputs on the loop for selected intervention during alarm (location signalling, closing of fire barrier doors).

Three NAC supervised programmable and silenceable outputs can be used for the activation of signalling devices.

A non-programmable NAC, an auxiliary non controlled alarm output and a non-controlled fault signal output (relay) are also available.

The control panel is protected by codes which allow command access only to authorized personnel.

▲ AFD2000 Main Features
- EN54 approved
- 250 device detectors and modules in each loop
- Automatic device-drift compensation
- 1 conventional input-line for the connection of up to 32 devices (fire detectors and manual call points)
- 64/128 completely programmable software zones
- 16 programmable open-collector outputs
- 3 NAC supervised programmable and silenceable outputs
- 1 non-programmable NAC
- 1 auxiliary non-controlled alarm output (relay)
- 1 non-controlled fault-signal output (relay)
- RS485 Interface for the connection of up to 8 AFD2001
- Repeaters and up to 8 panels
- 4000 event log
- Power supply 230 VAC
- 27.6 VDC 5 A switching supply/battery-charger

▲ AFD2000 Console Software Features
- New graphical user interface
- Fast and simple system configuration
- Windows Vista compliant
- Transferable user database
- Real time visualization of the loop current load
- Battery/wiring calculation
- Customizable cables database
- Visualization of all the devices assigned to a single zone
- Automatic back up of all the data
- Multilanguage capability and translation tool included

AFD2000: Highly Reliable, Fully Programmable and Easy to Install Fire Control Panels

DSC AFD2000 is a completely programmable series of addressable, modular control panels which delivers advanced hardwire fire protection for medium to large fire alarm installations.

Thanks to its addressable technology and its easy management panel, AFD2000 meets customers' needs by simplifying the installation and programming process and providing the maximum level of fire protection available.

AFD2020

Flexible
Each loop supports 250 FireClass Digital Loop addresses – detectors and devices can be mixed and matched in any combination

Compatible
Each control panel offers one conventional zone for maximum flexibility for device compatibility.

Upgradeable
Network up to 8 AFD control panels via the onboard RS485 bus for maximum expandability required for larger installations.

Easy Management
Configuration programming and management of the AFD2000 is made simple with the use of the multi-language alphanumeric keypad and large backlit LCD.

Reliable & Durable
Digital Loop Technology ensures longer loop lengths, robustness in environmental conditions and has no requirement for cable type or topology

Best-in-class Quality
DSC is committed to the most up to date global ISO standards and Six Sigma's utilization of consistent and predictable processes to improve what the customer sees and feels.

FireClass Digital Loop Addressable Detectors Provide State-Of-The-Art Detection

The FC400 Series detectors are supplied in an extremely robust and reliable fully sealed construction, which has undergone stringent environmental type testing. All electrical contacts are moulded into the plastic to eliminate any movement.

The detectors are constructed from hardwearing Fire Resistant FR110 plastic.

The multi-sensor detectors are environmentally friendly, with no radioactive parts.

FC400PH
FC400P

FC400H

FC400PH

The FC400PH is a state-of-the-art smoke and heat detector which allows a full set of detection modes to be implemented in the AFD2000 detection panel to suit most smoke and heat detection applications.

The FC400PH incorporates a unique "mousehole" design optical chamber with an unrivalled signal to noise ratio. This provides a high resilience to dust and dirt which means reduced service costs. In addition, a unique chamber cover actually draws slow moving smoke into the chamber to provide a more responsive detector.

The FC400PH provides all the features of FireClass Digital Loop detectors including self verification, temperature and smoke level indication and unrivalled service functions.

FC400P

The FC400P is a sophisticated photo optical smoke detector which provides economical fire detection coverage. High, normal or low sensitivity can be set in accordance with EN54 pt. 7.

The VdS approved FC400P provides detector condition monitoring and pre-alarm options but without the ability to drive functional bases.

FC400H

The FC400H is a flexible cost-effective addressable heat detector. The FC400H returns the temperature to the AFD detection panel which allows various detection modes to be implemented. The FC400H uses a high quality thermistor with very low thermal mass. This allows the detectors to provide fast accurate temperature detection as well as heat detection.

CFD4824 Conventional Fire Control Panel Ideal For Medium & Large Applications

Designed and made according to EN54 and EN12094-1 standards, the CFD4824 is a microprocessor based control panel for medium and large applications. It has 8 zones main board and supports two J400-EXP8 expander modules, for a total of 24 zones and 512 devices. Each detection zone is equipped with an alarm-repeat output for selective alarm management in the event of fire.

CFD4824

The control panel has supervised and silenceable alarm outputs for the control of the self-powered sirens, piezoelectric sirens, fire bells, flashers, telephone diallers, etc.

This easy-to-use control panel is protected by a lockable frontplate which allows operational access to authorized personnel only.

The CFD4824 control panel is also available with a backlit display, which shows all the information regarding the control panel status. The optional Software in Windows™ environment, allows full systems management of events memory, files, reset and all the programmable functions provided by the control panel.

Main Features
- EN54 and EN12094-1 approved
- Up to 32 devices can be connected to each zone: conventional fire detectors, alarm buttons, gas detectors
- Gas zone compatible with 4 – 20 mA gas detectors
- 2 supervised, silenceable, bypassable 24 V alarm output for the activation of piezoelectric sirens, fire bells and flashers
- Silenceable fault-warning output for the activation of signalling and auxiliary devices
- Supervised fire output for telephone dialler activation

- Programmable open-collector output
- Dry contact alarm-relay for the activation of auxiliary devices
- Day/Night mode
- Alarm verification time
- Programmable from PC or keypad
- 50 events log viewed via PC
- Alarm/fault memory activated until next reset

Input-Line, Alarm Outputs
- 8 controlled, balanced, bypassable input zones expandable to 24 by means of two 8 zone expanders
- Optional backlit display
- RS485 bus

Technical Features
- Power supply: 230 VAC ±10%
- 27.6 VDC 2.5 A switching supply/battery-charger
- Compartment for two 12 VDC 7 Ah batteries
- Dimensions (wxhxd): 422x502x116 mm
- Weight (without batteries): max. 8.5 kg

CFD4808-CFD4804-CFD4802
8/4/2 Zone Fire Control Panel

Designed and made according to EN54 and EN12094-1 standards, the CFD4808/CFD4804/CFD4802 is a microprocessor based control panel for small to medium applications. It has 8 zones, each supports up to 32 devices, for a maximum of 256 devices.

Each detection zone has an alarm-repeat output for selective management in the event of fire.

The control panel has supervised, silenceable alarm-outputs for self-powered sirens, piezoelectric sirens, fire bells, flashers, telephone diallers, etc.

This easy-to-use control panel is protected by a lockable frontplate which allows operational access to authorized personnel only.

The optional Software in Windows™ environment, allows full systems management of events memory, files, reset and all the programmable functions provided by the control panel.

Main Features

- EN54 and EN12094-1 approved
- Up to 32 devices can be connected to each zone: conventional fire detectors, alarm buttons, gas detectors
- Gas zone compatible with 4 – 20 mA gas detectors
- One alarm-repeat output (open collector) for each input zone
- 2 supervised, silenceable, bypassable 24 V alarm output for the activation of piezoelectric sirens, fire bells and flashers
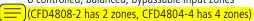
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- Silenceable fault-warning output for the activation of signalling and auxiliary devices
- Supervised fire output for telephone dialler activation
- Programmable open-collector output
- Dry contact alarm-relay for the activation of auxiliary devices
- Day/Night mode
- Programmable from PC or keypad
- 50 events log viewed via PC

Input-Line, Alarm Outputs

- 8 controlled, balanced, bypassable input zones
(CFD4808-2 has 2 zones, CFD4804-4 has 4 zones)

Technical Features

- Power supply: 230 VAC ±10%
- RS485 bus
- 27.6 VDC 1.5 A switching supply/battery-charger
- Compartment for two 12 VDC 7 Ah batteries
- Dimensions (wxhxd): 354x280x100 mm
- Weight (without batteries): max. 4.5 kg

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