NOTIFIER® by Honeywell

NOTIFIER INSPIRE™ - E10/E15

Fire Alarm Control Panels



The INSPIRE™ series of fire alarm control panel from NOTIFIER by Honeywell is a modular, easy to use networkable system available in 10U and 15U enclosures. It exploits NOTIFIER's OPAL digital protocol to maximise the speed and efficiency of fire detection and alarm whilst supporting legacy CLIP protocol devices. The large 10" colour display with its intuitive interface touchscreen operation and menu driven features allows quick and easy operation of the system.

INSPIRE's powerful ID²net network with advanced networking capabilities is supported by a comprehensive connected tools suite which enables significant efficiencies on and off site with easier access, programming and maintenance of the system.

Ease of use

- The INSPIRE panel supports up to 10 modules in a 10U enclosure and up to 14 in a 15U enclosure
- The 10"display guides users through all operations and data logs with context driven menus and icons providing clear, user defined data on the status of the system to provide error free situation management
- Graphical and text Cause & Effect programming tools support on and off site commissioning
- Highly resilient OPAL digital protocol system, able to pinpoint a loop fault whilst maintaining full system operation

Flexibility

- Backbox with adaptations for 19" rack or semi flush mounting
- Most modules can simply be fitted in any slot for ease of wiring
- Optional battery capacities
- Fast system set up and commissioning via the panel and commissioning tool
- Comprehensive "Cause & Effect" programming capability
- The modular design allows the system to easily adapt and change as the building use and size changes. System extensions and adaptations can be made quickly without compromising fire coverage and without extensive re-cabling
- Cable entry through adjacent knock out blanks
- Day/night mode configurable for site specific requirements
- Touchscreen and backlit buttons

Specification

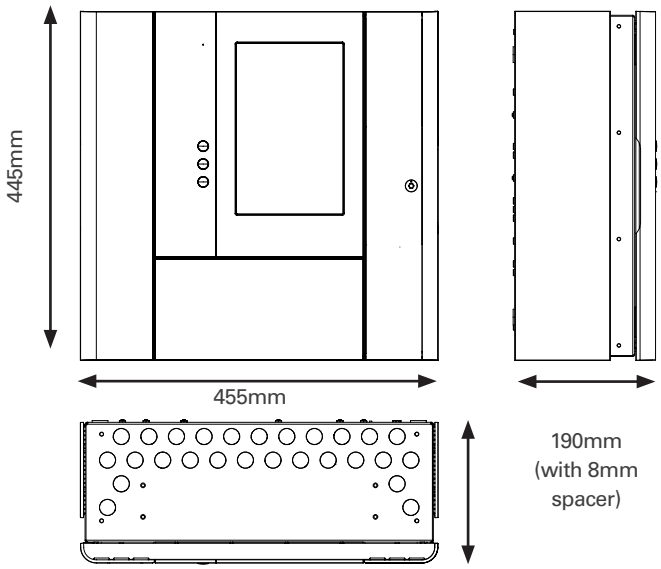
Standards

Compliant to EN54-2:1997 + EN54-4:1997 + A1:2002 + A1:2006 and EN54-13. See option with requirements clauses.

Mechanical Specification

DIMENSIONS FOR 10U ENCLOSURE	Height: 445 mm
	Width: 455 mm
	Depth: 190 mm with 8 mm spacers, 196 mm with 14 mm spacers
DIMENSIONS FOR 15U ENCLOSURE	Height: 665 mm
	Width: 455 mm
	Depth: 250 mm with 8 mm spacers, 256 mm with 14 mm spacers

- Mounting Holes: 5 (on backbox)
- Cable entry holes (20mm): 30 (top), 17 (back), 26 (bottom)
- External Connections: plug-in screw terminals 0.5mm² to 2.5mm² (14-22AWG)
- Colour: RAL 7022, Semi-Gloss finish



Electrical Specification

- Operating Voltage: 230Vac 50Hz
- Voltage Tolerance: -15%, +10% (195.5V to 253V)
- Incoming Mains Fuse: 3.15 A, T5AH / 250 V (20mm HRC anti-surge fuse in Mains terminal block)
- Battery circuit inline fuse: 25A
- Mains input current: 1.2 A for 240 W PSU, 2.3 A for 480 W PSU
- Battery Charger Output Voltage: 27.2 V nom @ 20°C (temperature compensated and current limited)
- Power Supply Output Rating: 36 V, 6.7 A for 240 W PSU 36 V, 13.3 A for 480 W PSU.
- Standby Batteries* Min. 12Ah (24Vdc sealed lead-acid): Max. 24Ah (10U enclosure), 38Ah (15U enclosure)
- Operating voltage range for CIE's output: 24 V ± 5 % DC, same at every Module

Environmental Specification

- Climatic Classification: 3K5, EN 60721-3-3
- Operating Temperature: -5°C to +40°C
- Relative Humidity: 5% to 95% non condensing
- Panel Sealing: IP30 (EN60529)
- EMC Emissions: EN61000-6-3
- Immunity: EN50130-4
- Safety: EN62368-1

Mechanical Description

- Side trim for surface mount (10U enclosure only)
- All displays and controls are carried on the door
- Door is hinged on the left, opens using a 4mm hex Key
- Door removable through fast clip hinges

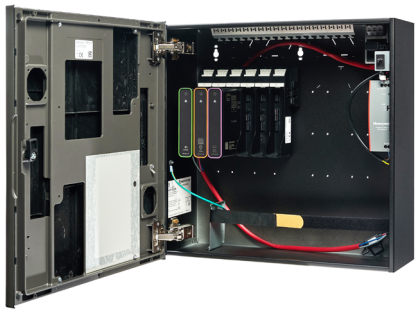
*YUASA NP range

Panel, modules and options

INSPIRE E10 2-Loop (HOP-131-206)

- Backbox E10
- 6 slot backplane (optional up to 10 slots)
- 240W PSU
- Door Including 10" touchscreen
- Charger Module
- CPU Module
- Notifier Dual Loop Module
- Side trim for surface mount
- Fully supports Notifier Self-Test (a CLSS Gateway is needed)

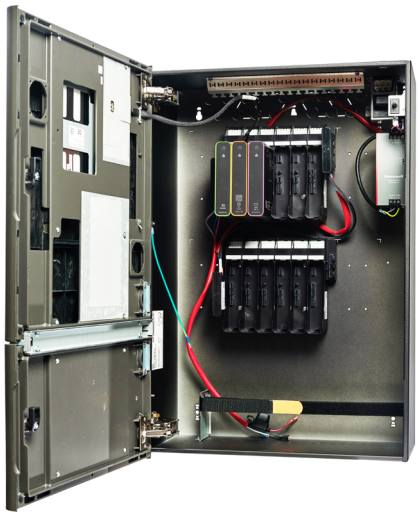




INSPIRE E15 2-Loop (HOP-134-412)

- Backbox E15
- 2 x 6 slot backplane (optional up to 14 slots)
- 480 W PSU
- Door Including 10" touchscreen
- Charger Module
- CPU Module
- Notifier Dual Loop Module
- Fully supports Notifier Self-Test (a CLSS Gateway is needed)





Dual Loop Module Opal



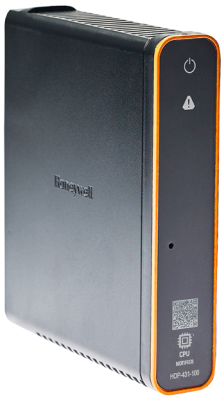
- Loop module supports 2 loops
- 159 intelligent Opal detectors per loop
- 159 Opal modules (A/V, MCP, input/output modules) per loop
- VdS 2540 Approved for 99 Detectors and 99 Modules
- 130 zones of fire detection with on screen zone indication
- Maximimum 512 fire detectors and/or Manual Call Points according to EN54-2
- Each loop can be converted to legacy CLIP mode through a licence. Limited to 99 detectors and 99 modules will apply

Charger Module



- Charge and discharge current monitoring
- Under Voltage Lockout to prevent system going into undefined state
- Over Voltage Lockout to prevent batteries overcharging
- Battery condition monitored via load test
- Battery wiring fault monitored
- Intelligent battery charging, by local monitoring of battery temperature and connecting cable open/short circuit fault

CPU Module



- Common Fire Relay
- Common Fault Relay
- USB interface (USB stick)
- RJ45 external network
  - Interface to config tool
  - Interface to CLSS Gateway
- HMI Interface

ID²net Network Module



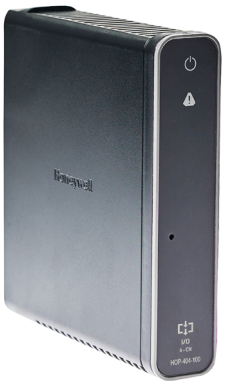
- Standard copper on terminal block
- Two isolated RS-485 ports available as standard
- Fibre optics support with Net Converter Fiber Multi Mode HOP-608-200
- Any combination of RS-485 / Optical Fibre allowed

Serial Communication Module



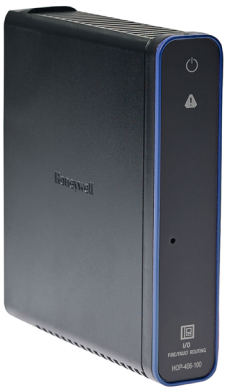
- Provides an RS485 port and a configurable RS232 / RS485 port
- Auxiliary power 24 V DC. Current configurable to 500 mA, 1000 mA, 1500 mA and 2000 mA
- For communication with external equipment, such as Notifier Repeater/ Mimic panel

Input/Output Module (4 Channel)



- 4 - configurable Input or Output channels
- Sounder Circuit (1A)
- Digital input - monitored and non-monitored
- Software configurable
- 24Vdc Aux / 2A (maximum of 3 A across all I/O channels)
- Auxiliary power 24 V DC ±5% configurable at 500 mA, 1000 mA, 1500 mA and 2000 mA

Fire/Fault Routing Module



- Interface for FARE (DIN14675)
- Interface for FRE (e.g. Dialer)
  - Fault Out
  - Fault In
- Interface for Key Box Adapter (VdS 2105)
- 24 V DC±5% at 1000 mA Maximum

Dual FBF/FAT COM Module



- Dual Serial loop interface incl. power supply
- 2 x RS485
- 2 x 24 V DC
- Fully compatible with ADP4000 loop interface, supporting ABT4000 and GMT4000 Repeater Panels
- Support FBF/FAT 4000
- Configurable with IFAM Prog4000 configuration tool

INSPIRE Part Numbers

CONTROL PANELS	
HOP-131-206	Notifier INSPIRE E10 panel with 6-module slots, CPU module, charger module, 240 W PSU, 10"display and Dual Loop Module
HOP-134-412	Notifier INSPIRE E15 panel with 12-module slots, CPU module, charger module, 480 W PSU, 10" display and Dual Loop Module
MODULES	
HOP-433-100	Dual Loop Module OPAL (1 supplied and optional for extension)
HOP-631-100	ID²net Network Module (optional)
HOP-405-100	Serial COM Module (optional)
HOP-404-100	I/O Module 4CH AUX 24VDC (optional)
HOP-406-100	Fire/Fault Routing Module (optional)
HOP-407-200	Dual FBF/FAT COM Module (optional)
HOP-202-102	Backplane 2 slot Module Carrier (option for extension)
ACCESSORIES	
HOP-238-110	Flush mounting kit for E10 panel. Recess dimensions 437mm (h), 462mm (w)
HOP-238-115	Flush mounting kit for E15 panel. Recess dimensions 660mm (h), 462mm (w)
HOP-208-111	Rack Mounting Kit
HOP-608-200	Net Converter Fiber Multi-Mode
SPARE PARTS	
HOP-332-110	Door E10 10" HMI Notifier
HOP-332-115	Door E15 10" HMI Notifier
HOP-202-106	Backplane 6 slot
HOP-202-210	Backplane Interlink 2nd Row Modules Cable kit
HOP-502-120	Cable Kit Backplane/Batteries
HOP-202-200	Backplane Link Module for Module Carrier expansion (option for extension)
HOP-402-100	Charger Module (1 supplied)
HOP-431-100	CPU Module Notifier (1 supplied)
HOP-501-240	PSU 240W
HOP-501-480	PSU 480W
BATTERY	
NP12-12FR	YUASA NP Battery 12 AH-12V Flame Retardant
NP24-12FR	YUASA NP Battery 24 AH-12V Flame Retardant
NP38-12FR	YUASA NP Battery 38 AH-12V Flame Retardant

This document is not intended to be used for installation purposes.
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