Notifier by Honeywell:
Panel Selection Guide

NOTIFIER®
by Honeywell

Introduction

This guide has been produced to help guide you through the advanced features of the Notifier range of addressable fire alarm control panels.

At Notifier we pride ourselves in our range of capable, robust and flexible fire systems which are designed to maximise the benefits of our comprehensive range of detection technologies, AV devices and modules.

ID60

System Capacity	
Loops	1
Detection Zones	16
Zone LEDs	16
LCD Display (lines x characters)	2x40
Devices (Max)	99+99
ELIB allows >512 devices	N/A
Loop Current	500mA
Maximum loop length (based on 1.5mm^2, 2 core cable)	2000m
Sounders	2 configurable as either
Relays	
Repeater Connection	Option
RS232 Communication Option	1
RS485 Communication Option	1
PSU	1.5A
Aux DC Out	250mA
Maximum Battery	12Ah
Printer	Option
Mechanical Specification	
First Fix bracket	No
Hinged panel door for easy access	No
Flush mount kit with first fix option	No
19" Rack Mounting option	No
Configuration	
Flash firmware upgrade	Main f/w
Complete automatic backup	No
Configuration Download	RS232

	Pearl	ID3000
	1 or 2	2, 2-8
	64/255	255
	64	Option 64/128/256
	15x40	6x30
	318+318	792+792
	No	Yes
	750mA	500mA
	3500m	2000m
	2	2
	Fire + Fault	2
	Built-in[1]	Option
	2	(1 x RS232 + 1 x RS485)
	2	
	3A	3A (4.5A, 7A)
	500mA	2 x 1A
	12Ah (38Ah external)	17Ah (38Ah, 65Ah external)
	No	Option
	Yes	No
	Yes	No
	Yes	Yes
	First fix bracket	Adaptor
	All (main and loop)	EPROM
	SD Card	No
	USB	RS232

[1] Cannot be used if network card fitted

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Panel Functions	
Upload logo of choice to LCD screen	No
Display Maintenance Contact Details	No
Site configurable buttons (SOFT keys)	None
SOFT key functions	N/A
Built-in help	No
Separate Silence & Resound	No
Disable Sounders	Menu
Disable individual sounders	Configurable
Disable Fire Protection (relays)	Menu
Disable Remote Fire Output	Menu
Configurable Button Access	No
Disable cause of active condition	Menu
Engineer Mute	No
Integration with Third Party Systems	
Third party Protocol for Integration	Yes
Third Party Protocol Virtual Outputs	No
Third Party Protocol Virtual Inputs	No
Link to D1 Voice Alarm System	No
Loop Functionality	
CLIP Compatibility	Yes
Opal Compatibility	Yes
Opal sounder tone/volume	8 Tones
Sounder synchronisation	No
Different tone for class change	No
Opal Sub-Addressing	No
Multi-Modules take only 1 address	No
Full Compatibility with loop based FAAST LT	No
VIEW & SMART support	No
Smoke testing of SMART	No
Individual response to SMART thermal alarm	Yes
Individual response to SMART criteria	No

Pearl	ID3000
Yes	Yes
Yes	No
4	None
C&E	N/A
Yes	No
Yes	No
Button & Menu	Menu
No	Configurable
Button & Menu	Menu
Button & Menu	Menu
Yes	No
Shortcut	Shortcut
Yes (with auto time-out)	Yes (with auto time-out)
Yes	Yes
Yes	Yes
Future	No
Yes	Yes
Yes	Yes
Yes	Yes
8 Tones	8 Tones
Yes (across network)	Yes (across network)
Yes	Yes
Yes	No
Yes	No
Yes	No
Yes	Yes
Yes	CLIP only
Yes	Yes
Yes	No

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Networking	
Network	None
Fibre Optic Network adapter	N/A
Network Zones	N/A
Network Zones shared across panels	N/A
Local Zones on Network	N/A
Network Sectoring	N/A
Cause & Effect	
Cause and Effect lines	64
Cause & Effect inputs – loop device	Fire, Pre-Alarm, Fault, Disable, Non-fire activation
Cause & Effect inputs – zone	Fire, Pre-Alarm, Fault, Disable, Non-fire activation
Cause & Effect outputs – device	Activate Output, Disable
Cause and Effect outputs – zone	Activate Output, Disable
Cause and Effect Coincidence	Yes
Cause and Effect - Transfer flags	No
Boolean operations on transfer flags	No
Event Log	512 events
Device Coincidence	Yes
Zone Coincidence	Yes
Type B coincidence by device type	No
Auto-Reset of Type B First Fire	No
Type B confirmation by same device	No
Cells Supported	No
Auto-Learn modules/sensors separately	No
Remote LED activated by C&E	Opal
System Codes and Security	
Back Door Passcode	Code cracker
ESD code secret if overridden	No

Pearl	ID3000
ID²net (upto 16 panels)	ID²net (upto 63 panels) or RS485 Master-Slave (upto 8 panels)
External (Future)	Yes
4080 per-network. LEDs on panels for zones 1-64.	8192 per-network. LEDs (optional) on panels for zones 1-255
Yes	No
Yes. 64 zonal alarm LEDs per panel	Yes. Up to 255 zonal alarm LEDs per panel (optional)
Display & Control Filtering	Yes
512	512
Fire, Pre-Alarm, Fault, Non-fire activation	Fire, Pre-Alarm, Fault, Disable, Non-fire activation
Fire, Pre-Alarm, Fault, Disable, Non-fire activation Gas Alarms & Technical Alarm	Fire, Pre-Alarm, Fault, Disable, Non-fire activation
Activate Output, Disable	Activate Output, Disable
Activate Output, Disable	Activate Output, Disable
Yes	Yes
128	128
AND, AND NOT, OR	AND, AND NOT, OR
>100,000 events	600 events
Yes	Yes
Yes	Yes
Separate count for SMART thermal alarms	Single confirmation count
Yes	No
Configurable	No
255	255
Yes	Yes
Opal	Opal
Temporary code	Code cracker
Yes	No

CLIP and OPAL Protocol Explained

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Feature / Product / Operation	Opal	Clip	Notes
Can I pulse module outputs	✓	✓	
Can I control the sounder and beacon seperately in a combined product?	✗	✗	
Does it support multi-modules (M720/M721) in Opal mode?	✓		Does not use sub addressing.
Can we switch between CLIP and Opal for commissioning without relearning?	✗		
Can I mix old and new isolators?	✓	✓	
Do we supprt the IBS3/AWS3/LPS700?	✗	✗	Will work when v15.07 loop firmware released
Can you use active EOL on a conventional interface device ?	✗	✗	
Can you get a 3 second response from a CZR?	✗	✗	
Does the device indicate that it is in test mode?			Will work when v15.07 released into factory for ID60
Does the device indicate that it is in pre-alarm?	✓	✓	
Does the device indicate that it is disabled?	✗	✗	
Does the device indicate that it is in fault?		✗	
Does the panel support network wide sounder synchronisation?	✗	✗	
Does the panel warn about devices still in alarm during test mode?	✗	✗	
Does the panel warn about devices still in alarm prior to enabling?	✗	✗	
Do loop devices indicate short circuit faults? (connected ccts)	✓	✗	
Do loop devices indicate open circuit faults? (connected ccts)	✓	✗	

Pearl

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Opal	Clip	Notes	Opal	Clip	Notes
✗	✗	Opal doesn't provide the capacity for this	✗	✓	
✓	✗		✓	✗	
✓	✗	Uses Sub-Addressing	✗	✗	720 / 721 must be used in Clip
✗		When multi channel modules are learnt in opal which uses sub addressing it sn't advisable to re learn this in clip as in clip as the additional channels could possibly take addresses already in use.	✗		
✓	✓	Old isolators could cause some issues, as isolation is now provided in all detectors we recommend these be removed if possible.	✓	✓	
✗	✓	Works in version 1.08 and later loop firmware	✗	✓	Works in version 1.08 and later loop firmware
✓	✓	M710-CZ is the active end of line interface, which is to be used on newer installs, Needs investigating. Ie no its not in the price list.	✗	✓	
✓	✓		✗	✗	
✓	✗	In v1.12 onwards Opal, the LEDs are used to distinguish the status of the device, normal operation is blink or no blink (Red or Green), IN test mode but not tested pullse yellow, Intest being tested steady Red, Tested pulsed green. Clip, while in test and being tested will show steady red no other indication is provided.	✓	✓	
✓	✓	Opal only LED shows steady amber when in pre-alarm	✓	✓	
✗	✗		✗	✗	
✓	✗	Opal only LED shows steady amber when in pre-alarm or fault	✓	✓	modules only
✓	✗	Yes, there may be a delay on panel start up or restart while the panels timing (Heart beat) are sycronised.	✓	✓	
✓	✓	Yes	✗	✗	
✗	✗		✗	✗	
✓	✗		✓	✗	
✓	✗		✓	✗	

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Feature / Product / Operation	Opal	Clip	Notes
Do SMART4 detectors support application modes?	✗	✗	
Does the panel indicate beam alignment as a fault?	✗	✗	
Does the panel support sub addressing?	✗	✗	
Does the panel support different sensitivity modes?	✓	✓	
Does the panel support delay to alarm detection?	✓	✓	
Does the panel support delay to output activation?	✓	✓	
Does the panel support 159+159 loop devices?	✗	✗	
Does the panel support FAAST LT loop driven products?	✗	✗	Can only be used with relay version
Does the panel support flow rate monitoring on loop driven FAAST products?	✗	✗	
Does the panel support bar graph LED driver on loop driven FAAST products?	✗	✗	
Does the panel support filter monitoring on loop driven FAAST products?	✗	✗	
Does the panel display fan speed on loop driven FAAST products?	✗	✗	
Does the panel support local silence operation?	✗	✗	
Does the panel display PSU status?	✗	✗	
Does the panel display maintenance contact information?	✗	✗	
Does the panel support custom tones?	✗	✗	
Does the panel support Agile wireless loop devices?	✗	✓	from v7.04 firmware onwards

Pearl

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Opal	Clip	Notes	Opal	Clip	Notes
✓	✗		✓	✗	
✓	✗		✓	✗	
✓	✗		✗	✗	
✓	✓		✓	✗	
✓	✓		✓	✗	
✓	✓		✓	✗	
✓	✗		✗	✗	
✓	✗	Can also be used with relay version	✗	✓	Can also be used with relay version
✓	✗		✗	✗	
✓	✗		✗	✗	
✓	✗		✗	✗	
✓	✗		✗	✗	
✓	✗		✗	✗	
✓	✗		✗	✗	
✓	✓		✗	✗	
✓	✓		✓	✗	
✗	✓	from v1.12 firmware onwards			from v5.11 firmware onwards

Safety, Integrity and Heritage

Notifier by Honeywell is the world's largest manufacturer and supplier of engineered fire alarm systems. With over 400 Engineered Systems Distributors worldwide, and regional support on every continent, we have the flexibility to meet our customers' requirements.

With over 60 years of experience, we offer unrivalled specialist knowledge and products designed to meet all needs. Notifier offers a comprehensive line of quality fire detection and alarm control solutions. These include everything from smoke detection and notification, non-addressable fire alarm panels, analogue addressable systems, to advanced network and integration packages.

As a leader in the fire safety market, Notifier is dedicated to the highest standards of service and product quality. Our operations are accredited to ISO 9001 and our products are designed and manufactured to meet every major international approval, including LPCB, VdS, UL, ULC and BOSEC/ANPI.

Notifier is a division of Honeywell International, a diversified technology and manufacturing leader, serving customers worldwide. By partnering with Notifier, you have the reassurance of working with a company of global standing that provides cutting edge fire detection systems.

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