

Honeywell | Fire Safety

MORLEY IAS
FIRE SYSTEMS

Panel Selection Guide

Intelligent Addressable Fire Systems

Morley-IAS



Fire Alarm Control Panel

Specification & Features



	DXc
SYSTEM CAPACITY	
Loops	1 to 4
Loop drivers built in	Yes - 2 built in, Extra 2 - plug in card
Detection Zones	160
Zone LEDs	160
LCD Display	6 line
Loop current	500mA
Max loop length - 1.5 mm, 2 core screened	2km
Sounders	2
Relays	3 - 1 fire, 1 fault, 1 programmable
Repeater connection	Yes (Built-in)
RS232 Communication	1, Half Duplex (Optional)
RS485 Communication	1 (Built-in)
PSU	2A DXc 1 4A DXc 2-4
Aux DC Output	24v, 250mA
Printer	No
MECHANICAL SPECIFICATION	
Hinged panel door for easy access	Yes
Flush Mount kit	Yes
19" Rack Mounting option	Yes
DEVICE PROTOCOLS SUPPORTED;	
Apollo (Max Addresses per loop)	126
Hochiki (Max Addresses per loop)	126
System Sensor (Max Addresses per loop)	198 (99 Detectors + 99 Modules)
Morley (Max Addresses per loop)	198 (99 Detectors + 99 Modules)
Nittan (Max Addresses per loop)	N/A



ZX1/2 Se	ZX5 Se
1 fixed loop or 2 loops	1 to 5
No	No
200	200
20	20 - 200
4 line	4 line
460mA	460mA
2km	2km
2	4
2 - 1 fault 1 fire	2 - 1 fault 1 fire
Yes (Optional)	Yes (Optional)
Yes (Optional)	Yes (Optional)
Yes	Yes
2 Amp	5 Amp
24v, 340mA	24v, 340mA
External Only	Internal and External
Yes	Yes
Yes	Yes
No	No
126	126
126	126
198 (99 Detectors + 99 Modules)	198 (99 Detectors + 99 Modules)
198 (99 Detectors + 99 Modules)	198 (99 Detectors + 99 Modules)
126	126

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PANEL FUNCTIONS	
Upload logo of choice to LCD	Yes
Programmable Panel Inputs	Yes - 2
Programmable Key switch	Yes
Programmable Function buttons	Yes - 2
Disable Sounders	Yes
Disable individual sounders	Yes
Configurable button access	Yes
Engineers Mute	Yes
CAUSE AND EFFECT	
Patterns	Yes - 40 max
Event programming	No
Event Logic	No (Remote LED event logic available with SS & MIAS protocols)
Loop Input Action options	Fire, Fault, Bomb, Security, Plant, Silence, Reset, Evacuate, Transparent, Class change, Detection mode, Level 2 access, Ext PSU Fault, Disable, All Clear, System Test
General Panel Input options	Silence, Fault, Evac, Pre Alarm, Fire, Day delayed mode, Sensitivity mode, Verification mode, Reset
Pattern programming modes	On, Pulse, Coincidence x2, Coincidence x3, Delayed, Pulse-On, Single Pulse.
Type B Coincidence	Yes
Auto Reset of Type B	No
Type B Confirmation by same device	No
Remote LED activated by C&E	Yes
Event log	999
Non Latching Fire Input	Yes
Software Programmable sounder tones	Yes
Class change tone programmable	Yes
Day Mode 7 Day timer	Yes
Day Mode 24 hour timer	NA



ZX1/2 Se	ZX5 Se
No	No
No	No
No	No
No	No
Yes	Yes
No	No
Yes	Yes
No	No
Yes - 150 max	Yes - 150 max
Yes - 800 Max	Yes - 800 Max
Yes - And / Or	Yes - And / Or
Fire, Fault, Bomb, Security, Plant, Class Change, Non latching, Group Disable, Reset, Evacuate, Silence	Fire, Fault, Bomb, Security, Plant, Class Change, Non latching, Group Disable, Reset, Evacuate, Silence
Silence, Fault, Evac, Pre Alarm, Fire, Day delayed mode, Sensitivity mode, Verification mode, Reset, Coincidence	Silence, Fault, Evac, Pre Alarm, Fire, Day delayed mode, Sensitivity mode, Verification mode, Reset, coincidence
On, Pulse, Coincidence x2, Delayed, Off-on-on, Off-pulse-on, Pulse on on	On, Pulse, Coincidence x2, Delayed, Off-on-on, Off-pulse-on, Pulse on on
No	No
No	No
No	No
No	No
999	999
No	No
Yes - Not Nittan	Yes - Not Nittan
Yes - Not Nittan	Yes - Not Nittan
No	No
Yes	Yes

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DXc

CONFIGURATION

Flash Firmware upgrade	Yes, main processor and loop driver
Configuration Download	4 pin proprietary TTL USB

SERIAL DATA - INTEGRATION WITH 3RD PARTY SYSTEMS

Third party protocol	Yes
Link to HLS Paging systems	Yes
Link to D1 Voice System	No

NETWORKING

Network	16 loops Peer to Peer (e.g 16, 1 loop panels)
Fibre Optic	No (Available using third party equipment)
Local zones	No
Shared network zones	Yes



ZX1/2 Se



ZX5 Se

No	No
4 pin proprietary TTL USB	4 pin proprietary TTL USB

Yes	Yes
Yes	Yes
No	No

Up to 99 panels (Master-Slave)	Up to 99 panels (Master-Slave)
No (Available using third party equipment)	No (Available using third party equipment)
Yes	Yes
Yes	Yes

For more information

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For further details on these or any other Honeywell Morley-IAS products please contact your local distributor, Morley-IAS Business Manager or via our contact details found below. Morley-IAS Providing a control panel solution, for fire industry professionals, committed to supporting our device partners.

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