

HAWK 1000

The new Predator range of cost effective ,flexible conventional fire alarm panels

The HAWK 1000 is a 2, 4 or 8 zone Class B 24 volt conventional fire alarm control panel which has a vast variety of functional features that makes the HAWK a very flexible and powerful fire control panel.

The HAWK 1000 comes standard with either a 4.5 amp or 6.5 amp 24 VDC smart power supply, with dedicated alarm and trouble relays, three programmable relays, 2, 4 or 8 zones options, four NAC outputs, optional RS232&RS485 .

Technical Specifications

Model	HK-2	HK-4	HK-8
Standards	Approved to UL864 9th Edition		
Number of zones	2	4	8
Detectors per zone	20		
Panel sounder circuits	4 O/P NAC's		
Programmable Relay's (NAC O/P's)	3	3	3
Alarm Relay	1	1	1
Trouble (Fault) Relay	1	1	1
Mains input voltage	110/230 V AC	110/230 V AC	110/230 V AC
System operating voltage	24V DC		
Battery	2 x 12V Ah or 2 x 12 V 12 Ah (dependent)		
Cable entries	4 Top Entry, 11 Right side, 2 Left side		
End of Line Resistor	4K7 or EOLM		
Environmental Rating	0°C to +49°C, 95% RH (non condensing)		
Colour	red		
Side WxHxD (mm)	370 x 393 x 112		
Weight	10Kg		



Product Codes

HK-2	2 Zone conventional panel
HK-4	4 Zone conventional panel
HK-8	8 Zone conventional panel

Description

The HAWK is a 24 VDC FACP that provides either 2, 4 or 8 Class B zones and 4 Class B notification appliance circuit (NAC).

The NAC protocol includes the ability to silence audible devices while strobes continue to flash, using only a single pair of wires. The HAWK is also compatible with conventional input devices such as smoke detectors, pull stations, waterflow devices, tamper switches and other normally-open contact devices.

Activation of a compatible smoke detector or any normally-open fire alarm initiating device activates audible and visual signaling devices.

The HAWK is compatible with FireSense & Cooper detectors.



HAWK 1000 Range

Conventional Detectors

A comprehensive range of UL detectors are available for the HAWK control panels.



Features

- > UL Approved detectors
- > Low profile design
- > 360° viewable LED design
- > Removable detector chamber for cleaning
- > Common mounting base
- > New enhanced detectors feature Dual LEDs, Drift compensation and Chamber monitoring (UCPD-2W & UCPT-2W)



Product Codes

FSP-2W	Photoelectric smoke detector
FSPT-2W	Photo thermal smoke detector
FST-2W	Fixed heat detector 135°F
FSTI-2W	Fixed heat detector 194°F
FSR-2W	Rate rise and fix heat detector 135°F
FSRI-2W	Rate rise and fix heat detector 194°F
FSB2E	Detector base
FSB	Wide detector base
FS-251/D	Remote LED Indicator

Technical Specifications

Detector Head	FSP-2W	FSPT-2W	FST-2W	FSTI-2W	FSR-2W	FSRI-2W
Type	Photoelectric 2 Wire	Opto/Heat Multi-Sensor 2 Wire	Fixed Heat Det 135°F 2 Wire	Fixed Heat Det 194°F 2 Wire	Rate of Rise & Fixed Heat 135°F 2 Wire	Rate of Rise & Fixed Heat 194°F 2 Wire
Base	FSB or FS2E	FSB or FS2E	FSB or FS2E	FSB or FS2E	FSB or FS2E	FSB or FS2E
Working Voltage	15 - 30 VDC	15 - 30 VDC	15 - 30 VDC	15 - 30 VDC	15 - 30 VDC	15 - 30 VDC
Voltage Waveform	Filtered DC +/- 1v max ripple @120Hz	Filtered DC +/- 1v max ripple @120Hz	Filtered DC +/- 1v max ripple @120Hz	Filtered DC +/- 1v max ripple @120Hz	Filtered DC +/- 1v max ripple @120Hz	Filtered DC +/- 1v max ripple @120Hz
Standby Current (Average)	95µA	95µA	70µA	70µA	70µA	70µA
Surge Current (max)	340µA	340µA	340µA	340µA	340µA	340µA
Alarm Current (max)	Must be Limited externally to 40mA	Must be Limited externally to 40mA	Must be Limited externally to 40mA	Must be Limited externally to 40mA	Must be Limited externally to 40mA	Must be Limited externally to 40mA
Relay Current (max)	N/A	N/A	N/A	N/A	N/A	N/A
Start-up Time	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds
Sensitivity	2.55+/- 0.33% /ft	2.55+/- 0.33% /ft	N/A	N/A	N/A	N/A
Sensitivity Checker	Use No-Climb Use TRUTEST UL Listing 77TL	Use No-Climb Use TRUTEST UL Listing 77TL	Use No-Climb Use TRUTEST UL Listing 77TL	Use No-Climb Use TRUTEST UL Listing 77TL	Use No-Climb Use TRUTEST UL Listing 77TL	Use No-Climb Use TRUTEST UL Listing 77TL
Heat Element Rating	N/A	135°F	135°F	194°F	135°F	194°F
Reset Time (max)	2 seconds	2 seconds	2 seconds	2 seconds	2 seconds	2 seconds
Heat Detector Spacing	N/A	50ft (heat alone operation)	50ft	50ft	50ft	50ft
Ambient Temperature (max)	32-100°F	32-100°F	32-100°F	32-150°F	32-100°F	32-150°F
Mounting Position	Ceiling in open areas	Ceiling in open areas	Ceiling in open areas	Ceiling in open areas	Ceiling in open areas	Ceiling in open areas
Compatibility Identifier	04092007	04092007	04092007	04092007	04092007	04092007

Conventional ancillary devices



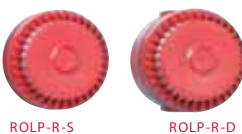
UL Approved manual pull stations

- FSUCMPS-100 & FSUCMPS-400X
- > Approved to UL864 9th Edition
 - > Convenient clip-fixed front cover
 - > One key for test and cover removal
 - > Available as flush, surface and weatherproof (IP65)



Bells FSFB4D24 & FSFB6D24 - (EN54-3)

- CPD Approval - 0832CPD0135 & 0832CPD0134
- > High sound output
 - > Low current
 - > 4, 6 and 8-inch versions available



Roshni ROLP-R-S & ROLP-R-D - (EN54-3)

- CPD Approval - 0832CPD0131 & 0832CPD0128
- > Low current
 - > High sound output
 - > 32 selectable tones
 - > IP65 version available
 - > Lockable base



Symphoni SY-R & SY-R-IP

- CPD Approval - 0832CPD0141 & 0832CPD0141
- > Ultra low current
 - > High sound output
 - > 3 tones
 - > Volume control
 - > IP65 version available
 - > Lockable base



Base Sounder SQG3-SDR-W

- > Low current
- > High sound output
- > Volume control



Base Sounder Beacon SQG3-AV-W

- > Low profile design
- > High output LED beacon
- > Volume control
- > Can be standalone unit or with detector & base
- > Tamper-proof cover for standalone use



Flashni FL-RL-R-D

- > High output sounder beacon
- > Volume control
- > Lockable base



Callpoints FSX201 and FSX203

- > Design approved to EN54-11
- > Convenient clip-fixed front cover
- > One key for test and cover removal
- > Available as flush, surface and weatherproof (IP65)