

HS81-HS/C BASE FOR COMPACT INDUSTRIAL FIRE CONTROLLERS

The HS81-HS/C is the compact version of the HS81-HS with single or double power supply, respectively.

The compact panel is smaller than the HS81-HS, designed to fit in tight spaces but it is also for use by those who would like a discreet, end-user-friendly system. Like the HS81-HS, it provides an integrated industrial protection system that includes flame, gas and smoke detection; logic control and networking equipment; suppression and extinguishing capability; public address, sounders, beacons, and other safety components.

Each panel is a modular system comprised of an enclosure (a metal cabinet with double door), display, a redundant CPU, and up to 8 (eight) I/O cards. The number and type of I/O cards are selected based on the protection needs of the facility. These panels have a single or dual redundant power supply to match either requirement.



MECHANICAL FEATURES

- Cabinet: sheetmetal with internal door and transparent outer door; stainless steel option available upon request
- Color: RAL 7035 (Industrial Gray standard) and RAL 3000 (Red for fire, optional)
- Protection degree: Cabinet rated for IP54/IP66, product UL-listed for use in dry locations
- Installation: wall mounting
- Size: 27.5" (700mm) x 19.7" (500mm) x 9.8" (250mm)
- Maximum batteries charging current: 4A, up to 65Ah. Up to 14Ah allowed inside cabinet. Larger batteries require use of a separate cabinet.
- Protections: Surge, short-circuit, and reverse battery

ELECTRICAL SPECIFICATIONS

- Input power: 110-240 VAC ($\pm 10\%$)
- Nominal output power: 24VDC
- Maximum output power: 10A/20A (dual supply version)

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FEATURES AND BENEFITS

- Fire Detection
- Gas Detection
- Fire Suppression
- Hot-swap with all I/O cards, CPUs, and display
- Addressable eight I/O cards maximum
- 300 programmable fire zones
- 300 programmable intrusion zones
- 1 suppression zone per I/O card
- 99 input, 99 output, 99 association points per zone
- Power Supply and CPU Redundancy
- Networking panels with TCP/IP protocol
- Modbus RTU/Modbus TCP Protocols for interfacing with third party systems

COMPATIBLE I/O CARDS

The compact version of the HS81-HS/C panel is compatible with all HS81-HS non-redundant I/O cards listed below:

TECHNICAL SPECIFICATIONS	
Applicable Safety category	Up to SIL2
Redundancy	CPU and Power Supply
IO Card Capacity	08 nos. (Max)
Operating Temperature	-5 / +50 C
Max Humidity	0-95% non condensing

AGENCY LISTING & APPROVALS
ATEX
IEC61508; SIL2 Certified
IEC60079-29-1
IEC60079-29-3
UL864

COMPATIBLE I/O CARDS		
CARD P/N	DESCRIPTION	APPLICATION
F3002	8 Inputs Conventional Detection	Conventional Fire and Gas detection
F4001	4-20mA Detection 1 Input	Gas, Flame and Temperature Detection with bar chart and # value
F4002	4-20mA Detection 2 Inputs	Gas, Flame and Temperature Detection with # values
F4003	4-20mA Detection 8 Inputs	Gas, Flame and Temperature Detection with LED indication
F5001	8 Supervised 500mA Outputs	Solenoids, Actuation Devices
F5002	16 Non-supervised Outputs	Relays, LEDs, Hardwired signals to third party systems
F5003	8 Supervised 250mA Outputs for NACs	Notification Appliances
F5004	4 Supervised 2A Outputs	High Power Solenoids and Actuation Devices
F6001	One Zone Suppression	Control of CO2, Inert or Chemical Gases suppression systems
F6002	Additional Logic Functions	Timers, Flip-Flop, Set-Reset functions for complex logics
F7006	Modbus RTU Protocol	For Modbus protocol
F7011	Safety Bus for Remote I/O connection	Remote I/Os Safety Bus Modules
F7001	Addressable Loop - Hochiki UL Protocol	Addressable fire detection
F7012	Addressable Loop - System Sensor UL Protocol	Addressable fire detection
F7013	Addressable Loop - Apollo UL Protocol	Addressable fire detection

Note: Contact sale person for the actual part no suitable for EN or UL listing

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ORDERING DATA	
ITEM NO.	DESCRIPTION
HS81-HS/C-Single	UL Compact panel 8 slots, Double CPU, Single Power supply
HS81-HS/C-Double	UL Compact panel 8 slots Double CPU, Double Power supply
HS81-HS/C-Single-R	UL Compact 8 slots, Double CPU, Single supply - Red cab
HS81-HS/C-Double-R	UL Compact 8 slots Double CPU, Double supply - Red cab
HS81-HS/M-Single	Marine Compact panel 8 slots Double CPU, Single Power supply
HS81-HS/M-Single-R	Marine Compact 8 slots 2 CPU, 1 supply - Red cab

For more information,
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 We try to keep our product information up-to-date and accurate.
 We cannot cover all specific applications or anticipate all
 requirements. All specifications are subject to change without notice.

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 CONTROLLERS**

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