

H-S81-HS/C-ULS and H-S81-HS/C-ULD

Compact Industrial Fire Controllers

Description

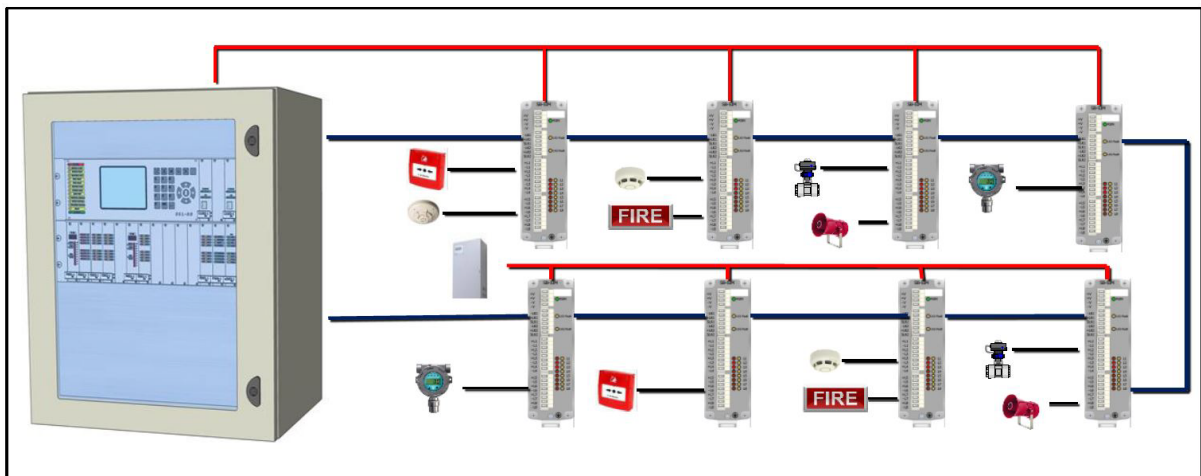
The H-S81-HS/C-ULS and the H-S81-HS/C-ULD are the compact versions of the H-S81-HS with a single or double power supply, respectively. The compact panel is smaller than the H-S81-HS, designed to fit in tight spaces but it is also for use by those who would like a discreet, end-user-friendly system. Like the H-S81-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.

The H-S81-HSC panels are capable of supporting the F7011-UL Safety Bus Control Card (see #HI-60946) which controls remote modules installed on a unique Bus. Up to 64 remote safety bus modules can be controlled by a single F7011-UL control card, expanding the capacity of the control panel while providing optimal functionality in fault condition with high communication speed.



Safety Bus System Diagram



FEATURES

- Fire Detection
- Gas Detection
- Fire Suppression
- Redundancy
- 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
- CPU redundancy standard
- Networking panels with TCP/IP protocol
- Modbus RTU/Modbus TCP Protocols for interfacing with third party systems

H-S81-HS/C-ULS and H-S81-HS/C-ULD Technical Specifications

MECHANICAL FEATURES

- Cabinet: sheetmetal with internal door and transparent door; stainless steel option available upon request
- Color: RAL 7035 (Industrial Gray standard), 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)

ELECTRICAL SPECIFICATIONS/BUILT-IN POWER SUPPLY

- Input power: 110-240V (± 10%)
- Nominal output power: 24VDC
- Maximum output power: 4A/8A (dual supply version)

- 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
- EN54 Standard: EN54-4
- CE standards: EN50081-2 and EN50082-2 (industrial environment)
- Safety standard: EN1508
- UL standard: UL864 9th Edition

CERTIFICATIONS

- SIL2
- EN54
- ATEX
- UL864
- ABS

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

COMPATIBLE I/O CARDS

The compact version of the H-S81-HS panel is compatible with all H-S81-HS non-redundant I/O cards listed below:

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
F7002	Addressable Loop - Hochiki ESP Protocol	Addressable fire detection
F7006	Modbus RTU Protocol	for Modbus protocol
F7009	Addressable Loop - Apollo Protocol	Addressable fire detection
F7011	Safety Bus for Remote I/O connection	Remote I/Os Safety Bus Modules
F7012	Addressable Loop - SSD Protocol- ULO	Addressable smoke detection

For more information:

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HI-60900 | A | 02/17
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