

Peripheral Devices

Intelligent Control Point Device

Model HCP | HCP-Z

Architect & Engineer Specifications

- Intelligent device for use with various Siemens — Fire Safety fire-alarm control panels (FACPs)
- Used as a telephone zone, speaker zone or notification appliance circuit (NAC)
 - Provides 24VDC NACs when used with a Siemens FACP
 - Used as a NAC under the Siemens — Fire Safety NAC product line
 - Provides either a 25V (35 Watts) or 70.7V (25 Watts) single-channel speaker zone (only used with Siemens Modular and FireFinder® XLS)
 - Provides firefighters' telephone circuit (only used with Siemens Modular and FireFinder XLS FACPs)
- Polarity insensitive with *SureWire* technology
- Mounts on standard electrical box
 - 4" (10.2 cm.) square or double gang
- No mechanical-address programming required
- Includes a dial-tone generator for telephone use
- Supervised input and output power
- UL Listed, ULC Listed
- CSFM and NYC Fire Dept. Approved

Product Overview

Model HCP | -Z from Siemens — Fire Safety is an intelligent control point device designed for use with Siemens — Fire's NAC series of alarm signaling devices. Additionally, various Siemens — Fire Safety FACPs, which include Siemens Modular as well as the 50-point, 252-point and 504-point addressable FACPs can recognize Model HCP devices.

Model HCP | -Z can be configured as an independent, remotely located telephone zone, speaker zone or NAC. Model HCP | -Z is programmed and tested using the Device Programming / Test Unit (Model DPU), which eliminates the need for mechanical-addressing mechanisms (i.e. — program jumpers, DIP switches or rotary dials).

Model HCP is supervised for loss of 24 VDC input power, as well as short-or-open output-zone wiring. Model HCP | -Z mounts in a standard double-gang or 4" (10.2 cm.) square electrical box.

When Model HCP | -Z is programmed as a speaker zone, the high-power audio risers are supervised using the Model ZAC-40 zone amplifiers. Programmed as a telephone zone, the telephone riser is supervised by the (8) Eight-Zone Telephone Card (Model TZC-8B).

Specifications

Model HCP | -Z communicates through the analog loop of Models XDLC for Modular systems (Model DLC for FireFinder). Each control-point device can be wired in either Class A (Style Z) or Class B (Style Y). The 24 VDC power input comes from either the FACP or from any UL Listed power-limited, auxiliary power supply.

For Siemens Modular | FireFinder XLS systems, compatible power supplies for the intelligent control point device are:

- Model PSC-12 power supply
- Model PSX-12 power-supply extender
- Models PAD-3, PAD-4 NAC extenders, or
- Any power-limited, 24 VDC power supply that is UL Listed for fire-protective-signaling use

For the Siemens 50-point, 252-point and 504-point addressable fire systems, compatible power supplies include:

- Siemens NAC circuits
- PAD-3 or PAD-4 NAC Extenders
- Any power-limited, 24 VDC power supply that is UL Listed for fire-protective-signaling use



Model HCP
Intelligent Control Point Device



Specifications (cont.)

Siemens Modular, 252- and 504-point systems support up to 60 Model HCP | -Z devices per SLC. Siemens 50-point, addressable fire system supports a maximum of 50 addressable devices of all types.

NOTE: The maximum NAC load that may be connected from Model HCP | -Z into a 50-point, 252-point or 504-point fire system is 1.50 Amps at 24VDC.

Temperature and Humidity Range

The H-series intelligent control point device is UL 864 Listed for indoor dry locations within a temperature range of 120 +/- 3°F (49 +/- 2°C) to 32 +/- 3°F (0 +/- 2°C) and a relative-humidity range of 93 +/- 2% at a temperature of 90 +/- 3°F (32 +/- 2°C).

Technical Data

Electrical	
Current Draw (Active or Standby)	1.0mA

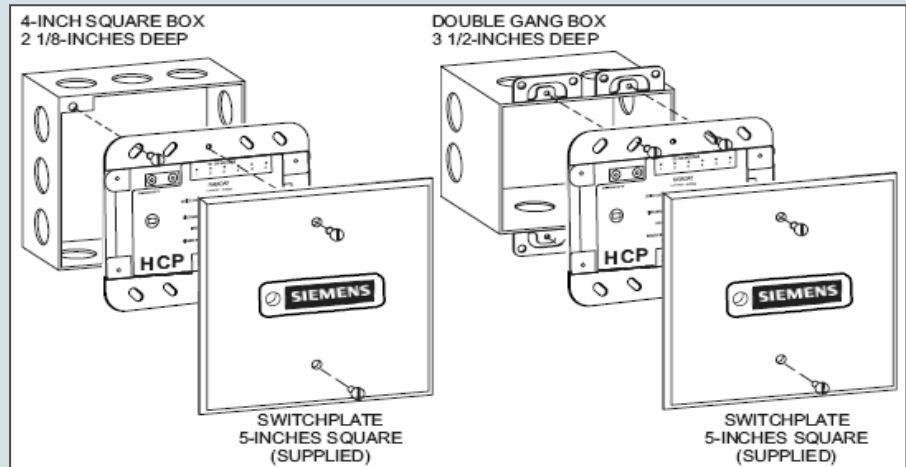
Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
HCP	500-034860	Intelligent Control Point Device
HCP-Z	S54322-F9-A1	Intelligent Control Point Device [C.O.O.+ – USA]

+ denotes Country of Origin

Mounting Diagram

1. Use a standard 3-1/2" (8.9 cm.) deep, double-gang electrical switchbox or a 4" (10.2 cm.) square electrical box that is 2-1/8" (5.4 cm.) deep with either a 1.5" (3.8cm.) deep extension or a 1.25" (3.2cm.) deep plaster-ring extension.
2. Connect the field wiring. Insert Model HCP into the box and fasten the device plate to the box.
3. Cover the device front plate with the 5" (12.7 cm.) switchplate (supplied) and fasten with two (2) plate screws.



NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

SIEMENS

Siemens Industry, Inc.
Smart Infrastructure - Building Products
2 Gatehall Drive • Parsippany, NJ 07054
Tel: (973) 593-2600

April - 2023
(Rev. 7)