

MANUFACTURER-SOURCE TECHNICAL REFERENCE

# Honeywell 8C-PAIN01 51454356-175

## Product Reference

coated Series 8 high-level analog input module



### DOCUMENT SCOPE

Independent Apter Power manual limited to verified identity evidence and any directly relevant Honeywell sources listed in this document. No product photograph is included.

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Product / lookup identity | Honeywell 8C-PAIN01 51454356-175                                        |
| Reference number          | 51454356-175                                                            |
| Document basis            | Published Honeywell product records, PDFs, and manuals listed on page 3 |



### Product page

<https://www.apterpower.com/Honeywell/8c-pain01-51454356-175>  
**Apter Power contact**  
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## Product role and published parameters

**WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS**

Honeywell 8C-PAIN01 is a coated 16-channel Series 8 high-level analog input module for 4-20 mA signals. Use 8C-PAIN01 51454356-175 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system. System context: coated Series 8 high-level analog input module.

| Published field     | Manufacturer-published value or verified identity note |
|---------------------|--------------------------------------------------------|
| Model               | 8C-PAIN01                                              |
| Part number         | 51454356-175                                           |
| Input type          | High-level analog current                              |
| Channels            | 16                                                     |
| Signal              | 4-20 mA                                                |
| Coating             | Conformal coated                                       |
| Verification Status | Verified Product Reference                             |

## System function and signal path

|    |                                                                                                                                                                          |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | System Inputs: coated Series 8 high-level analog input module                                                                                                            |
| 02 | Processing: Use 8C-PAIN01 51454356-175 only with the exact host, rack or chassis, terminal hardware, cable and project configuration specified for the installed system. |

## Applications, answers, and official sources

**1** Installed-base maintenance: Supports identification and maintenance planning for Honeywell 8C-PAIN01 51454356-175.

**2** Compatibility review: Compares the exact hardware, host, rack or chassis, terminal assembly, cable and revision before replacement.

**3** Installation planning: Defines the isolation, mounting, wiring and configuration checks required before field work.

**4** Commissioning and troubleshooting: Supports controlled power, communication, channel, diagnostic and alarm checks after work.

## Frequently asked questions

|                                                                           |                                                                                                                                       |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| How do I confirm compatibility with the installed system?                 | Match the complete model and part number, host system, rack or chassis, terminal assembly, cable, firmware and project documentation. |
| What should be checked before ordering a replacement?                     | Provide clear nameplate photos and verify the installed slot, connector, terminal hardware, field wiring and required revision.       |
| Can a similar Honeywell or related model be used as a direct replacement? | Only when the manufacturer documentation and the installed project explicitly approve that exact substitution.                        |
| What must be checked before installation?                                 | Confirm isolation, power, keying, mounting, connector orientation, cable code, wiring polarity and the latest configuration backup.   |
| Can the product be installed or removed while energized?                  | Follow the exact hardware manual and site procedure; otherwise de-energize the circuit before handling the hardware or field wiring.  |
| How should wiring and termination be verified?                            | Compare every conductor, shield, polarity, terminal number and field supply with the approved drawings before moving any wire.        |

## Official Honeywell sources

|                                      |                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Honeywell Series C I/O Specification | <a href="https://prod-edam.honeywell.com/content/dam/honeywell-edam/pmt/hps/products/pas/experion-pks/i-o-modules/series-c-i-o-modules/EP03-490-520_V10_SCIO_1_5.pdf">https://prod-edam.honeywell.com/content/dam/honeywell-edam/pmt/hps/products/pas/experion-pks/i-o-modules/series-c-i-o-modules/EP03-490-520_V10_SCIO_1_5.pdf</a> |
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