

INDUSTRIAL AUTOMATION PRODUCT

10102/2/1

Four-Channel Safe Analog Input Module

Honeywell 10102/2/1 is a four-channel conformally coated safe analog-input module for the Fail Safe Controller. It acquires analog process measurements for safety logic execution.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Fail Safe Controller
Part number	10102/2/1
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



2

Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Module function	Safe analog input
Input channels	4
Coating	Conformal

OFFICIALLY LISTED FSC ANALOG CONVERTER MODULES

FSC IDENTIFIER	DOCUMENTED SIGNAL FORMAT
10102/A/1	0(4)-20 mA, internally powered
10102/A/2	0(4)-20 mA, externally powered
10102/A/3	0(1)-5 V
10102/A/4	0(2)-10 V

3

System Role and Architecture

Honeywell 10102/2/1 is a four-channel conformally coated safe analog-input module for the Fail Safe Controller. It acquires analog process measurements for safety logic execution.

FUNCTION 1

Acquires four analog field measurements

FUNCTION 2

Transfers safety-related values to the FSC logic

FUNCTION 3

Fits the configured FSC I/O arrangement

FUNCTION 4

Provides coated hardware for protected cabinets

Matched system components

- FSC I/O rack
- Matched analog-input termination hardware
- Safety-related transmitters
- FSC application configuration

4

Applications and Engineering Context

Emergency shutdown measurement inputs

Acquires four analog field measurements

Fire-and-gas analog monitoring

Transfers safety-related values to the FSC logic

Compressor protection measurements

Fits the configured FSC I/O arrangement

Burner safety analog supervision

Provides coated hardware for protected cabinets

TECHNICAL NOTE

Confirm the FSC slot and application channel mapping, isolate transmitter loops and prove scaling and trip behavior under the approved safety test procedure.

5

Engineering Precautions

1

Verify the complete 10102/2/1 marking and its assigned Fail Safe Controller position before work.

2

Isolate the energy associated with FSC I/O rack before disconnecting 10102/2/1.

3

Protect the 10102/2/1 connectors and electronic assembly using approved ESD controls.

4

Record the as-found Matched analog-input termination hardware connections and configured assignment before replacement.

5

Confirm Safety-related transmitters matches the approved installation record for 10102/2/1.

6

Restore 10102/2/1 under controlled conditions and review its model-specific diagnostics.

7

Complete a documented functional test for emergency shutdown measurement inputs before release.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
10311/2/1	FSC dual key-switch assembly	Open product page
10020/1/2	FSC conformally coated quad processor module	Open product page
10014/1/1	FSC dual-port communication module	Open product page
10006/2/1	FSC diagnostic battery module	Open product page

MANUFACTURER SOURCE RECORD

Honeywell Fail Safe Controller product part-number list

SAFE AI MODULE 4CH CC

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



10102/2/1