

10102/2/1

Four-Channel Safe Analog Input Module

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	10102/2/1
Part number	10102/2/1
Hardware type	Safe analog input
System family	Fail Safe Controller



APTER POWER SALES TEAM

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



10102/2/1

01 PRE-INSTALLATION PLAN

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.

MATCHED HARDWARE

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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module function	Safe analog input
Input channels	4
Coating	Conformal

FSC ANALOG CONVERTER IDENTIFIERS

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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW

1

Confirm 10102/2/1 and part number 10102/2/1 against the installed record.

2

Verify the physical connection to FSC I/O rack.

3

Apply the documented technical values for module function.

4

Exercise the function: acquires four analog field measurements.

5

Run a controlled test for emergency shutdown measurement inputs.

6

Record the final state, diagnostics and operator acceptance before release.

04 RETURN-TO-SERVICE RECORD

- ☐ Restore 10102/2/1 under controlled conditions and review its model-specific diagnostics.
- ☐ Complete a documented functional test for emergency shutdown measurement inputs before release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

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

SOURCE IDENTIFIERS

Honeywell Fail Safe Controller product part-number list

SAFE AI MODULE 4CH CC

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com



10102/2/1