

SNAP-AIMA-4

Analog Input Module

It is a four-channel current-input module for measuring -20 to +20 mA signals on a compatible SNAP mounting rack.

COMPLETE PRODUCT SNAPSHOT

MANUFACTURER	Opto 22
FAMILY	SNAP PAC I/O platform
MODEL	SNAP-AIMA-4
DOCUMENT	Form 1696

RELATED PRODUCTS ON APTER POWER

01	Honeywell 8C-TDODB1	OPEN
02	Honeywell CC-GDIL01	OPEN
03	Honeywell FC-USI-0001-V1-0	OPEN
04	Honeywell CC-PAOH01	OPEN
05	Honeywell SC-UCNN11	OPEN
06	Honeywell MU-TSIM12	OPEN

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



SNAP-AIMA-4

Exact-model technical record

Complete model	SNAP-AIMA-4
Manufacturer	Opto 22
Product family	SNAP PAC I/O platform
Input channels	4
Input range	-20 to +20 mA
Overrange	±22 mA
Resolution	0.8 µA

Data freshness	23 ms
Maximum survivable input	36 mA or 9 V DC
Common-mode voltage	250 V
Accuracy	0.05% or 10 µA
Isolation	1500 V
Module power	5 V DC ±0.15 V at 170 mA

APTER POWER SALES TEAM

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



SNAP-AIMA-4

System role and applications

Process current measurement

Acquires four -20 to +20 mA process signals.

Bipolar analog sensing

Measures positive and negative loop current within range.

Isolated remote I/O

Adds four analog channels at a SNAP PAC node.

Module replacement

Restores SNAP-AIMA-4 while retaining channel scaling and wiring.

ENGINEERING BOUNDARY

Match SNAP-AIMA-4 to the supported rack and brain. Preserve loop polarity, field protection, channel scaling and isolation boundaries.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



SNAP-AIMA-4

Model-specific engineering questions

Q1. Which input channels identifies SNAP-AIMA-4?

Input channels: 4. Match the complete catalog identity before work.

Q2. What input range must be matched for SNAP-AIMA-4?

Input range: -20 to +20 mA. Preserve the installed system assignment and connector mapping.

Q3. How is the overrange defined on SNAP-AIMA-4?

Overrange: ± 22 mA. Use the controlled project record during wiring checks.

Q4. Why does the resolution matter when replacing SNAP-AIMA-4?

Resolution: 0.8 μ A. Do not substitute a neighboring family value.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



SNAP-AIMA-4

Acceptance reference and related products

Q5. Which data freshness should commissioning records retain for SNAP-AIMA-4?

Data freshness: 23 ms. Record the as-found setting before removal.

Q6. What should technicians verify about the maximum survivable input of SNAP-AIMA-4?

Maximum survivable input: 36 mA or 9 V DC. Confirm the value again during controlled startup.

RELATED PRODUCTS ON APTER POWER

01	Honeywell 8C-TDODB1	OPEN
02	Honeywell CC-GDIL01	OPEN
03	Honeywell FC-USI-0001-V1-0	OPEN
04	Honeywell CC-PAOH01	OPEN
05	Honeywell SC-UCNN11	OPEN
06	Honeywell MU-TSIM12	OPEN

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



SNAP-AIMA-4