

INDUSTRIAL AUTOMATION PRODUCT

CC-TAOX01

Sixteen-Point Analog Output IOTA

Sixteen 4-20 mA analog-output loop connections

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series-C I/O
Part number	CC-TAOX01
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
IOTA type	Analog output; nonredundant
Channels	16
Physical size	6 in
Compatible modules	CC-PAOH01 and CC-PAOX01
Output range	4 to 20 mA
Output ripple	<100 mV peak-to-peak across 250 Ohm
Temperature drift	0.005% FS/degC
Readback accuracy	+/-4% FS
Current linearity	+/-0.05% FS nominal
Resolution	+/-0.05% FS
Calibrated accuracy	+/-0.35% FS at 25 degC
Direct-set range	0 mA or 2.9 to 21.1 mA
Maximum load	800 Ohm at 22 to 28 V DC supply
Terminal plugs	Two 16-pin; 51506273-216

3

System Role and Architecture

Sixteen 4-20 mA analog-output loop connections

FUNCTION 1

Terminates sixteen current-output channels

FUNCTION 2

Accepts CC-PAOH01 or CC-PAOX01 electronics

FUNCTION 3

Connects two sixteen-pin terminal plugs

FUNCTION 4

Supports nonredundant 4-20 mA field-loop wiring

Matched system components

- CC-PAOH01 or CC-PAOX01 output module
- two 16-pin terminal plugs
- 22 to 28 V DC loop supply
- 4-20 mA final elements

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	CC-PAOH01 or CC-PAOX01 output module
Companion hardware	two 16-pin terminal plugs
Field connection	22 to 28 V DC loop supply
Primary system function	Terminates sixteen current-output channels
Controlled acceptance duty	Control-valve command termination

4

Applications and Engineering Context

Control-valve command termination

Terminates sixteen current-output channels

Variable-speed drive reference

Accepts CC-PAOH01 or CC-PAOX01 electronics

Analog final-element cabinet wiring

Connects two sixteen-pin terminal plugs

Output-IOTA renewal

Supports nonredundant 4-20 mA field-loop wiring

TECHNICAL NOTE

Label both terminal plugs and all loop conductors, match the installed output module, verify loop supply/load and command each channel at controlled values.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CC-TAOX01 / CC-TAOX01 recorded
Physical interface	CC-PAOH01 or CC-PAOX01 output module
Companion check	two 16-pin terminal plugs
Functional proof	Terminates sixteen current-output channels
Application test	Control-valve command termination

5

Engineering Precautions

1

Verify the complete CC-TAOX01 marking and its assigned analog-output IOTA position before work.

2

Place the connected process and control strategy in the approved maintenance state.

3

Isolate the applicable cabinet supply and 4-20 mA output field energy before disconnecting conductors.

4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.

5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
DC-TAIX01	Related industrial automation product	View DC-TAIX01 page
FC-IOCHAS-0001R	Related industrial automation product	View FC-IOCHAS-0001R page
TK-PRR021	Related industrial automation product	View TK-PRR021 page
FC-RUSIO-3224	Related industrial automation product	View FC-RUSIO-3224 page
MC-TAIH22	Related industrial automation product	View MC-TAIH22 page
F6251	Related industrial automation product	View F6251 page
51304538-100	Related industrial automation product	View 51304538-100 page
MC-TSTX03	Related industrial automation product	View MC-TSTX03 page

MANUFACTURER SOURCE RECORD

Honeywell Experion Series-C I/O Specification

EP03-490-520, Release 520, Version 1.5

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

