

CC-TAOX01

Sixteen-Point Analog Output IOTA

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-TAOX01
Manufacturer part	CC-TAOX01
Hardware type	Analog output; nonredundant
System family	Experion Series-C I/O



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed CC-PAOH01 or CC-PAOX01 module and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete low, midpoint and high output-loop tests and retain the measured result before returning the channel to automatic service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	CC-TAOX01
INSTALLED POSITION	Documented Experion Series-C I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
900H02-0202	Related industrial automation product	View 900H02-0202 page
900G02-0202	Related industrial automation product	View 900G02-0202 page
FC-SAO-022M	Related industrial automation product	View FC-SAO-022M page
MC-PSIM11	Related industrial automation product	View MC-PSIM11 page
FC-PSU-UNI2450U-V1-0	Related industrial automation product	View FC-PSU-UNI2450U-V1-0 page
8C-PCNT02-51454363-275	Related industrial automation product	View 8C-PCNT02-51454363-275 page
CC-PCNT02-51454551-275	Related industrial automation product	View CC-PCNT02-51454551-275 page
621-2200RC	Related industrial automation product	View 621-2200RC page

SOURCE IDENTIFIERS

Honeywell Experion Series-C I/O Specification
EP03-490-520, Release 520, Version 1.5

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