

ADV859-P00 S1

CENTUM VP 16-channel digital input and 16-channel digital output module for ST2

CONTROLLED ENGINEERING COPY

Verify ADV859-P00 S1, ST2 terminal-board identity, KS2 cable, input contact ratings and every transistor load; record all channel assignments and validate response and pulse timing before enabling automatic control.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	ADV859-P00 S1
Manufacturer part	ADV859-P00 S1
Hardware type	16
System family	Yokogawa CENTUM VP I/O
HS code	8537101190



APTER POWER SALES TEAM

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



01 PRE-INSTALLATION PLAN

- 1

Verify the complete ADV859-P00 S1 marking and its assigned Yokogawa CENTUM VP I/O position before work.
- 2

Place the connected compact mixed-i/o station process in the approved maintenance state.
- 3

Isolate applicable power and sixteen digital inputs and sixteen transistor digital outputs field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- CENTUM VP node unit
- ST2 terminal board
- KS2 external cable
- field contacts and 30 VDC loads

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	ADV859-P00 S1 / ADV859-P00 S1 recorded
Physical interface	CENTUM VP node unit
Companion check	ST2 terminal board
Functional proof	Combines sixteen inputs and sixteen outputs
Application test	Compact mixed-I/O station

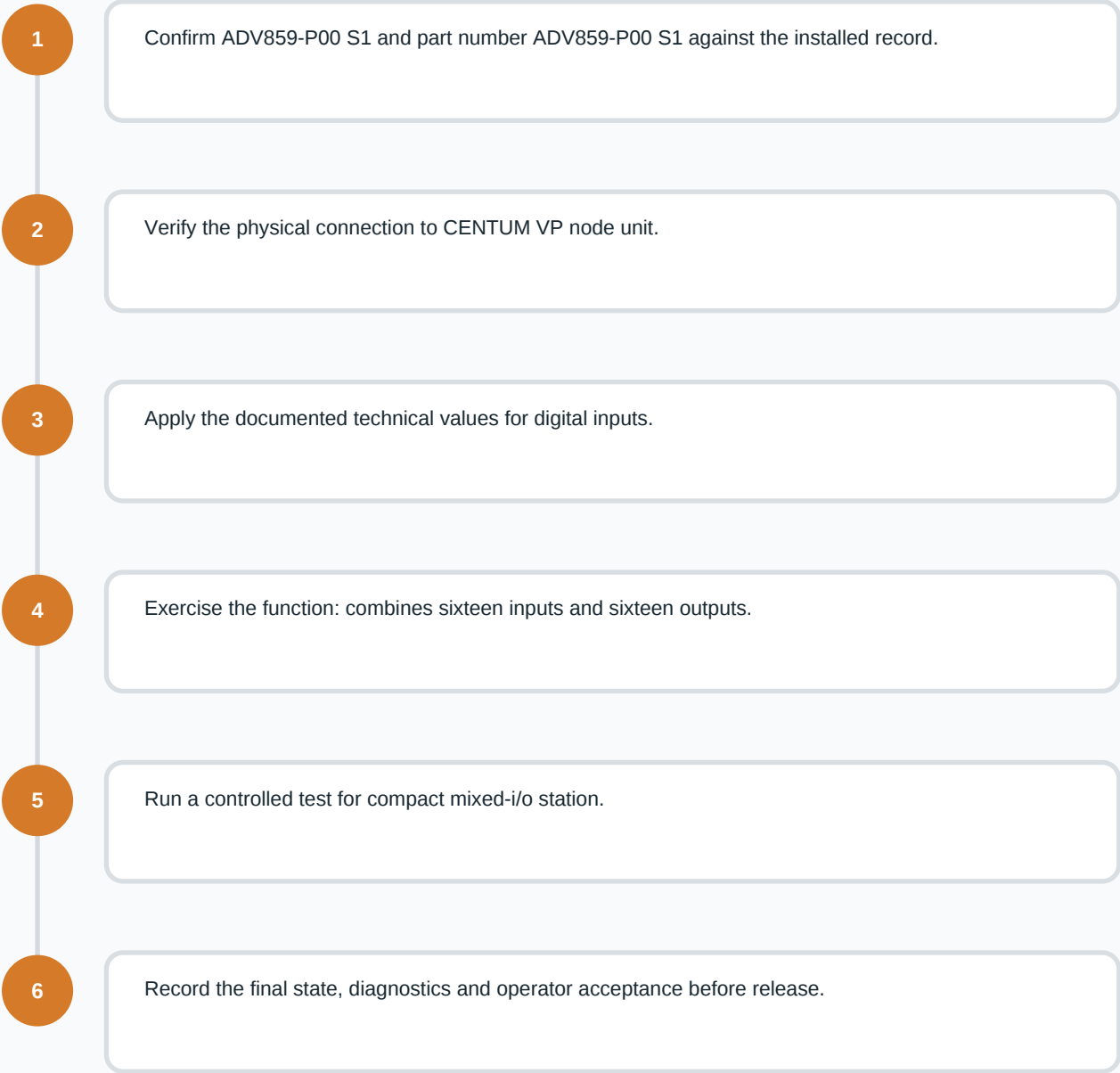
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Digital inputs	16
Digital outputs	16
Compatible terminal board	ST2
Isolation	Isolated channels
Contact input OFF	100 kohm or more
Contact input ON	200 ohm or less
Minimum short-circuit current	1.25 mA
Voltage input OFF	4.5 to 25 V DC
Voltage input ON	+/-1 V DC, 200 ohm or less
Input contact rating	5 V DC, 20 mA or more
Input response	8 ms
Output device	Transistor contact
Output rating	30 V DC, 100 mA
Output response	16 ms maximum

FIELD NOTE

Verify ADV859-P00 S1, ST2 terminal-board identity, KS2 cable, input contact ratings and every transistor load; record all channel assignments and validate response and pulse timing before enabling automatic control.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	ADV859-P00 S1 / ADV859-P00 S1 recorded
Physical interface	CENTUM VP node unit
Companion check	ST2 terminal board
Functional proof	Combines sixteen inputs and sixteen outputs
Application test	Compact mixed-I/O station

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed CENTUM VP node unit and ST2 terminal board against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended equipment interlock and command panel function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	ADV859-P00 S1
INSTALLED POSITION	Documented Yokogawa CENTUM VP 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
Bently Nevada 330881-28-05-050-03-02	Related industrial automation product	View Bently Nevada 330881-28-05-050-03-02 page
Bently Nevada 21504-00-48-10-02	Related industrial automation product	View Bently Nevada 21504-00-48-10-02 page
ABB 3HAC043569-004	Related industrial automation product	View ABB 3HAC043569-004 page
Bently Nevada 129525-0050-02	Related industrial automation product	View Bently Nevada 129525-0050-02 page
Bently Nevada 102044-00-32-10-02	Related industrial automation product	View Bently Nevada 102044-00-32-10-02 page
Bently Nevada 21000-11-05-00-085-03-02	Related industrial automation product	View Bently Nevada 21000-11-05-00-085-03-02 page
Bently Nevada 21000-15-10-00-166-03-02	Related industrial automation product	View Bently Nevada 21000-15-10-00-166-03-02 page
Bently Nevada 21000-28-05-00-070-01-02	Related industrial automation product	View Bently Nevada 21000-28-05-00-070-01-02 page

SOURCE IDENTIFIERS

Yokogawa CENTUM VP digital I/O module general specification
GS 33J60F70-01EN

APTER POWER SALES TEAM

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

