

INDUSTRIAL AUTOMATION PRODUCT

CDP312R

Drive Control Panel

Provides local programming and control for ACS800 drives

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
System family	ABB ACS800 drive control-panel system
Part number	CDP312R

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Technical Specifications

Technical values below are limited to the named ABB product record.

PARAMETER	TECHNICAL VALUE
Model	CDP312R
Product type	Drive control panel
Drive family	ACS800
Primary functions	Programming and local drive control
Keypad	16 keys
Drive monitoring capacity	Up to 31 drives
Display	4 lines x 20 characters
Panel mounting kit	Included with RPMP-13
Mounting method	Snap-mounted platform; no platform screws required
Door-plate thickness	1.5 to 2.5 mm

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	ACS800 drive and RMIO control arrangement
Companion hardware	approved panel connection or RPMP-13 mounting kit
Field connection	ADPI interface board and shielded flat-oval cable where fitted
Primary system function	Provides local programming and control for ACS800 drives
Controlled acceptance duty	ACS800 local operation

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System Role and Architecture

Provides local programming and control for ACS800 drives

FUNCTION 1

Provides local programming and control for ACS800 drives

FUNCTION 2

Uses sixteen operator keys and a four-line display

FUNCTION 3

Can monitor and control up to thirty-one drives

FUNCTION 4

Supports IP54 cabinet-door mounting with the RPMP platform

Matched system components

- ACS800 drive and RMIO control arrangement
- approved panel connection or RPMP-13 mounting kit
- ADPI interface board and shielded flat-oval cable where fitted
- documented drive parameters and local-control assignment

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	ACS800 drive and RMIO control arrangement
Companion hardware	approved panel connection or RPMP-13 mounting kit
Field connection	ADPI interface board and shielded flat-oval cable where fitted
Primary system function	Provides local programming and control for ACS800 drives
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Applications and Engineering Context

ACS800 local operation

Provides local programming and control for ACS800 drives

Drive parameter programming

Uses sixteen operator keys and a four-line display

Multi-drive status monitoring

Can monitor and control up to thirty-one drives

Cabinet-door panel mounting

Supports IP54 cabinet-door mounting with the RPMP platform

TECHNICAL NOTE

The RPMP-13 kit includes the CDP312R panel and the mounting accessories. Connection details vary with ACS800 frame size, so preserve the installed panel recess or RMIO X39/ADPI arrangement exactly as documented.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CDP312R / CDP312R recorded
Physical interface	ACS800 drive and RMIO control arrangement
Companion check	approved panel connection or RPMP-13 mounting kit
Functional proof	Provides local programming and control for ACS800 drives
Application test	ACS800 local operation

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Engineering Precautions

- 1 Verify the complete CDP312R marking and the assigned ACS800 drive before work.
- 2 Place the connected drive, motor and process in the approved maintenance state.
- 3 Isolate the drive according to ABB instructions and verify a safe de-energized condition before panel wiring work.
- 4 Record the local/remote state, panel connection, displayed diagnostics and parameter-backup status.
- 5 Protect the panel connector, shielded cable, ADPI board and RMIO interface from ESD and mechanical damage.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
ABB RDCO-03C	ACS800 DDCS communication option	View ABB RDCO-03C page
ABB ACS800-U31-0025-2	ACS800 regenerative drive	View ABB ACS800-U31-0025-2 page
ABB RINT-5611C 68718929	ACS800 interface board	View ABB RINT-5611C 68718929 page
ABB AINT-02C	ACS800 interface board	View ABB AINT-02C page

MANUFACTURER SOURCE RECORD

ABB ACS800 firmware manual and RPMP-11/13 installation guide

3AFE68400643 Rev A; ACS800 SPRS firmware manual

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