

INDUSTRIAL AUTOMATION PRODUCT

SC-UCNN11

Redundant ControlEdge RTU Controller

Honeywell SC-UCNN11 is a redundant ControlEdge RTU controller used in paired remote-automation installations that require controller availability.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	ControlEdge RTU
Part number	51307573-176
Country	USA
HS code	8537101190

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SC-UCNN11

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Controller configuration	Redundant
Rated supply	24 Vdc +/-25%
Input range	18 to 30 Vdc
Supply ripple	120 mVpp maximum
Input current	1.3 A maximum at 30 Vdc with 9 I/O modules
Power without expansion	5.76 to 6.72 W
Power with expansion	6.96 W

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System Role and Architecture

Honeywell SC-UCNN11 is a redundant ControlEdge RTU controller used in paired remote-automation installations that require controller availability.

FUNCTION 1

Provides redundant RTU processing

FUNCTION 2

Coordinates primary and secondary controllers

FUNCTION 3

Maintains remote communications

FUNCTION 4

Supports external I/O expansion

Matched system components

- Matched SC-UCNN11 controller
- Redundant RTU backplane
- Independent 24 Vdc feeds
- ControlEdge I/O expansion

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Applications and Engineering Context

Redundant pipeline RTUs

Provides redundant RTU processing

Critical remote compressor sites

Coordinates primary and secondary controllers

Water transmission stations

Maintains remote communications

Unattended production facilities

Supports external I/O expansion

TECHNICAL NOTE

Confirm controller pairing, independent supply paths and redundancy status before transferring the active role or loading a revised application.

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Engineering Precautions

1

Verify the complete SC-UCNN11 marking and its assigned ControlEdge RTU position before work.

2

Isolate the applicable power and field energy before disconnecting SC-UCNN11.

3

Protect SC-UCNN11 connectors and electronic assemblies with approved ESD controls.

4

Record the installed wiring, channel assignment and configuration before replacement.

5

Match Matched SC-UCNN11 controller and Redundant RTU backplane to the documented system arrangement.

6

Commission SC-UCNN11 with controlled status, signal and diagnostic checks.

7

Retain the final redundant pipeline rtus functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell ControlEdge RTU Specifications

CE03-100 R174

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