

INDUSTRIAL AUTOMATION PRODUCT

SC-UCMX02

ControlEdge RTU Controller

Honeywell SC-UCMX02 is a nonredundant ControlEdge RTU controller with 28 mixed onboard I/O channels and communications for remote process automation.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	ControlEdge RTU
Part number	51307195-276
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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SC-UCMX02

2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Controller configuration	Nonredundant
Onboard I/O	28 mixed channels
DRAM	256 MB
Rated supply	24 Vdc +/-25%
Input range	18 to 30 Vdc
Supply ripple	120 mVpp maximum
Input current	1.2 A maximum at 30 Vdc with 9 I/O modules
Power without expansion	1.7 to 2.9 W
Power with expansion	3.4 W

3

System Role and Architecture

Honeywell SC-UCMX02 is a nonredundant ControlEdge RTU controller with 28 mixed onboard I/O channels and communications for remote process automation.

FUNCTION 1

Executes ControlEdge RTU logic

FUNCTION 2

Provides twenty-eight mixed onboard I/O points

FUNCTION 3

Hosts RTU communications and protocols

FUNCTION 4

Expands to external I/O modules

Matched system components

- ControlEdge RTU backplane
- 24 Vdc power supply
- Expansion I/O modules
- RTU communications network

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4

Applications and Engineering Context

Remote wellhead automation

Executes ControlEdge RTU logic

Pipeline block-valve stations

Provides twenty-eight mixed onboard I/O points

Tank battery monitoring

Hosts RTU communications and protocols

Utility remote telemetry

Expands to external I/O modules

TECHNICAL NOTE

Verify the 18-30 Vdc supply, onboard I/O allocation and expansion-bus configuration before downloading the RTU application.

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5

Engineering Precautions

1

Verify the complete SC-UCMX02 marking and its assigned ControlEdge RTU position before work.

2

Isolate the applicable power and field energy before disconnecting SC-UCMX02.

3

Protect SC-UCMX02 connectors and electronic assemblies with approved ESD controls.

4

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

5

Match ControlEdge RTU backplane and 24 Vdc power supply to the documented system arrangement.

6

Commission SC-UCMX02 with controlled status, signal and diagnostic checks.

7

Retain the final remote wellhead automation functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell ControlEdge RTU Specifications

CE03-100 R174

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