

INDUSTRIAL AUTOMATION PRODUCT

MU-TSDM02

Manual/Auto Station Serial Device Interface FTA

Honeywell MU-TSDM02 is a Manual/Auto Station Serial Device Interface FTA. It connects station data to a TPS SDI processor over an isolated EIA-485 multidrop channel.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	TPS Process Manager I/O
Part number	51303932-277
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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MU-TSDM02

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Serial channel	1 galvanically isolated
Interface	EIA-485 multidrop
Points per FTA	1 to 8
Points per processor	1 to 16
Common-mode withstand	250 Vac rms; +/-250 Vdc
Dielectric strength	1500 Vac rms; +/-1500 Vdc

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System Role and Architecture

Honeywell MU-TSDM02 is a Manual/Auto Station Serial Device Interface FTA. It connects station data to a TPS SDI processor over an isolated EIA-485 multidrop channel.

FUNCTION 1

Interfaces manual/auto stations

FUNCTION 2

Uses a galvanically isolated serial channel

FUNCTION 3

Supports EIA-485 multidrop communication

FUNCTION 4

Maps station data into the SDI processor

Matched system components

- MU-PSDX02 SDI processor
- Manual/auto stations
- Shielded EIA-485 cable
- Serial interface power arrangement

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Applications and Engineering Context

Operator manual/auto stations

Interfaces manual/auto stations

Local setpoint panels

Uses a galvanically isolated serial channel

Packaged-unit operator controls

Supports EIA-485 multidrop communication

Legacy station communication repair

Maps station data into the SDI processor

TECHNICAL NOTE

Maintain EIA-485 polarity, shielding and end-of-line termination, then verify every station address and bidirectional data transfer.

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Engineering Precautions

1

Verify the complete MU-TSDM02 marking and the assigned TPS Process Manager I/O position before field work.

2

Isolate the applicable power, network and field energy before disconnecting MU-TSDM02.

3

Use ESD controls and protect the keyed connectors of MU-TSDM02 during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm MU-PSDX02 SDI processor and Manual/auto stations against the approved system configuration.

6

Restore MU-TSDM02 under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for operator manual/auto stations before production release.

MANUFACTURER SOURCE RECORD

Honeywell TPS Process Manager I/O Specification

IO03-684 Rev.2 section 6.12

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