

MU-TSDM02

Manual/Auto Station Serial Device Interface FTA

CONTROLLED ENGINEERING COPY

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



APTER POWER SALES TEAM

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MU-TSDM02

01 PRE-INSTALLATION PLAN

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.

MATCHED HARDWARE

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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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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FIELD NOTE

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

03 COMMISSIONING WORKFLOW

1

Confirm MU-TSDM02 and part number 51303932-277 against the installed record.

2

Verify the physical connection to MU-PSDX02 SDI processor.

3

Apply the documented technical values for serial channel.

4

Exercise the function: interfaces manual/auto stations.

5

Run a controlled test for operator manual/auto stations.

6

Record the final state, diagnostics and operator acceptance before release.

04 RETURN-TO-SERVICE RECORD

- ☐
- Restore MU-TSDM02 under controlled conditions and review the product-specific diagnostics.
- ☐
- Complete a functional test for operator manual/auto stations before production release.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN	
DATE	
CABINET / POSITION	
FINAL DIAGNOSTIC STATE	

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SOURCE IDENTIFIERS

Honeywell TPS Process Manager I/O Specification
IO03-684 Rev.2 section 6.12

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