PRODUCT INFORMATION DASHBOARD

Honeywell MU-TAMT02 51401491-100

Thermocouple FTA

Honeywell MU-TAMT02 51401491-100 is a sixteen-channel Low Level Multiplexer thermocouple FTA with local cold-junction reference and compression terminals.

PRODUCT ROLE

16 thermocouple inputs

SYSTEM

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INTERFACE

Local cold-junction reference

SERVICE FOCUS

B-size FTA

Exact-model highlights

- 16 thermocouple inputs
- Local cold-junction reference
- Compression terminals
- B-size FTA

Release questions

IDENTITY

Is the complete MU-TAMT02 51401491-100 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

FTA function	Low Level Multiplexer thermocouple input
Part number	51401491-100
Channels	16
Cold-junction reference	Local
Terminal type	Compression
Mounting size	B
Compliance execution	Non-CE
24 VDC current usage	185 mA
FTA cable maximum	50 m
Remote cable maximum	305 m

Application safeguards

SAFEGUARD 1

Match MU-TAMT02 and 51401491-100 before moving any thermocouple conductor.

SAFEGUARD 2

Record thermocouple type, polarity and channel assignment for all sixteen inputs.

SAFEGUARD 3

Keep the FTA upright because its documented construction uses mercury-wetted relays.

SAFEGUARD 4

Install the FTA inside the cabinet or an appropriate NEMA 12 mounting box.

Common applications

Multipoint temperature acquisition

Collects sixteen low-level thermocouple signals for process temperature monitoring.

Remote FTA installation

Supports a remote FTA path through the documented power adapter and cable arrangement.

Local CJR measurement

Keeps the cold-junction reference at the thermocouple termination assembly.

Legacy HPM service

Supports exact-part replacement in installed Low Level Multiplexer channel groups.

Interface checklist

- Sensor side: Sixteen thermocouple input circuits
- Adapter side: MU-TLPA02 power adapter
- Processor side: MU-PLAM02 Low Level Multiplexer IOP
- Cable path: MU-KFTAxx FTA cable and MU-KLAMxx or MU-KLXxxx remote cable

Installation snapshot

STEP 1

Match the replacement label to Honeywell MU-TAMT02 51401491-100 and the approved site bill of material.

STEP 2

Review the recorded wiring, channel map and connector orientation before disturbing conductors.

STEP 3

Isolate hazardous energy and prove the required electrical condition at the work point.

STEP 4

Apply grounded ESD controls while handling the electronic assembly.

Model-specific FAQ

Q1 How many inputs does Honeywell MU-TAMT02 51401491-100 provide?

It provides sixteen Low Level Multiplexer thermocouple inputs.

Q2 Where is the cold-junction reference for Honeywell MU-TAMT02 51401491-100?

The FTA uses a local cold-junction reference.

Q3 Which terminal style is used by Honeywell MU-TAMT02 51401491-100?

It uses compression terminals.

Q4 What mounting size applies to Honeywell MU-TAMT02 51401491-100?

It is a B-size FTA.

Q5 Which processor path is used with Honeywell MU-TAMT02 51401491-100?

The FTA connects through an MU-TLPA02 power adapter to an MU-PLAM02 Low Level Multiplexer IOP.

Q6 How far can the FTA cable run for Honeywell MU-TAMT02 51401491-100?

The MU-KFTAxx FTA cable path is documented for up to 50 m.

Q7 How far can the remote cable extend from Honeywell MU-TAMT02 51401491-100?

The MU-KLAMxx or MU-KLXxxx path can extend up to 305 m from the power adapter.

Q8 Why must Honeywell MU-TAMT02 51401491-100 remain upright?

The documented FTA construction uses mercury-wetted relays and specifies upright mounting.

Product precautions

1. Match MU-TAMT02 and 51401491-100 before moving any thermocouple conductor.
2. Record thermocouple type, polarity and channel assignment for all sixteen inputs.
3. Keep the FTA upright because its documented construction uses mercury-wetted relays.
4. Install the FTA inside the cabinet or an appropriate NEMA 12 mounting box.
5. Preserve the MU-TLPA02 power-adapter and cable routing identified for the installed channel group.
6. Do not exceed the documented 50 m FTA-cable or 305 m remote-cable path.
7. Use grounded ESD controls and protect low-level input wiring from noise and ground loops.
8. Commission every channel with a known temperature or millivolt condition and verify cold-junction behavior.

Related products

Verified related products on ApterPower

Honeywell 10018/2/U
FSC system reference
View Honeywell 10018/2/U

Honeywell CC-PAIX01 51405038-275
Series C analog-input reference
View Honeywell CC-PAIX01 51405038-275

Honeywell CC-TAIN01 51306513-175
Series C input termination reference
View Honeywell CC-TAIN01 51306513-175

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Share the exact MU-TAMT02 51401491-100 nameplate, application and required quantity for a model-specific quotation.