

MODEL-SPECIFIC TECHNICAL REFERENCE

Honeywell MU-TAMT02 51401491-100 LLMUX Thermocouple Field Termination Assembly

MU-TAMT02 51401491-100 is a Honeywell LLMUX thermocouple field termination assembly with local cold-junction reference, compression terminals, and a single IOP interface. It supports low-level thermocouple measurement in TDC 3000 installations.

Officially documented configuration

Model	MU-TAMT02
Part number	51401491-100
System family	TDC 3000 LLMUX
FTA function	Thermocouple field termination
Cold-junction reference	Local CJR
Terminal style	Compression terminals
IOP interfaces	1
Approval version	Non-CE configuration
Signal class	Low-level thermocouple input
Documented migration family	LLMUX2
Field wiring requirement	Correct thermocouple polarity and extension alloy
Cabinet role	Field-side termination assembly

INSTALLATION AND PROCUREMENT REFERENCE

MU-TAMT02 51401491-100 application guidance

Honeywell MU-TAMT02 51401491-100 is the non-CE LLMUX thermocouple field termination assembly with a local cold-junction reference. The catalog configuration uses compression terminals and connects to one low-level multiplexer input/output processor.

The assembly terminates thermocouple field wiring and provides the reference-junction function needed for compensated temperature measurement. It forms the field-side interface for legacy LLMUX channels used in TDC 3000 process-control applications.

Correct replacement depends on terminal style, CJR arrangement, IOP interface, thermocouple types, polarity, shielding, and cabinet practice. Honeywell documentation points migration planning toward LLMUX2; that transition must be engineered rather than treated as a simple code substitution.

High-risk technical note

For MU-TAMT02 51401491-100, preserve thermocouple polarity and alloy continuity, confirm local CJR accuracy, and never substitute ordinary copper wire in the compensated circuit.

Manufacturer source record

Manufacturer reference: Honeywell Low Level Multiplexer 2 Product Manual



Request a quotation for MU-TAMT02 51401491-100

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Include the complete nameplate, quantity, destination, and required delivery date.

Prepared from the manufacturer references listed above. Verify the latest manufacturer revision and complete installed configuration before replacement or commissioning.