



Honeywell MU-TAMT03 51309223-125

LLMux Thermocouple Field Termination Assembly

Product scope

- Terminates sixteen low-level thermocouple channels for one LLMux unit.
- Provides a local cold-junction reference for compensated temperature conversion.
- Uses compression terminals with a single I/O processor interface.
- Requires correct thermocouple polarity, alloy continuity and cabinet placement.

Manufacturer source

Honeywell LLMux Installation Manual, thermocouple FTA model table and system architecture.

The enclosed record and retained manufacturer pages identify the exact product and explain its function, operating principle, application and critical matching requirements.

Request a fast quote	Product reference	
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Honeywell MU-TAMT03 51309223-125

LLMux Thermocouple Field Termination Assembly

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

Assembly	LLMux thermocouple FTA with local cold-junction reference
Part number	51309223-125
Field terminals	Compression terminals
IOP interface	Single IOP
System capacity	Up to 16 thermocouple channels per LLMux unit
Channel allocation	Unit 0: channels 1-16; Unit 1: channels 17-32 in a two-unit arrangement
Compliance execution	CE-designated hardware in the official LLMux table

Official references

- Honeywell LLMux Installation Manual, thermocouple FTA model table and system architecture.
- Official Honeywell manual content identifies MU-TAMT03 / 51309223-125 as the CE, local-CJR, compression-terminal, single-IOP thermocouple FTA.

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Purpose

The assembly terminates low-level thermocouple circuits and provides the local cold-junction reference required by the LLMux temperature-measurement path.

Operating principle

Thermocouple millivolt signals and the local reference temperature are routed to the LLMux electronics. The processor compensates the cold junction and converts each channel to the configured engineering temperature.

System relationship

The FTA works with the LLMux I/O processor and power adapter. A single unit handles the first sixteen channels; the documented second unit extends the installation to channels 17-32.

Application

It supports concentrated thermocouple acquisition for furnaces, reactors, rotating equipment and utility systems where the field signals are too small to tolerate careless grounding or routing.

Installation caution

Maintain thermocouple alloy continuity and polarity through the compression terminals, keep the local cold-junction reference in the intended cabinet environment, and verify unit addressing before commissioning.



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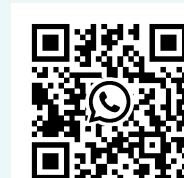
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