

GE UR6TH

Digital I/O Module

Product scope

- Adds eight programmable contact inputs to a compatible Universal Relay.
- Provides four Form-A output contacts for protection and control logic.
- Uses the 6T execution without output-circuit monitoring.

Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

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GE UR6TH

Digital I/O Module

Product overview

GE UR6TH is a 6T digital I/O module for the Multilin Universal Relay platform. It combines eight digital inputs with four Form-A outputs that do not include output-current monitoring.

UR6TH is identified on the module label as digital I/O option 6T. The assembly provides eight field inputs and four normally open Form-A outputs for protection, status and control functions in a compatible UR relay.

Relay logic maps external contacts into programmable operands and drives output contacts for alarms, trips or auxiliary commands. The absence of output monitoring distinguishes 6T from UR I/O options that supervise the output circuit.

Slot assignment, terminal wiring and firmware-supported I/O option must be confirmed before replacement. A similar six-character UR code can carry different contact arrangements, so the full 6TH model marking is essential.

Technical specifications

Option code	6T
Digital inputs	8
Form-A outputs	4
Output monitoring	Not provided
Relay platform	GE Multilin Universal Relay
Output contact style	Normally open Form A
Input function	Programmable digital status
Output function	Programmable alarm, trip or control
Module format	Plug-in UR digital I/O module
Configuration medium	UR relay settings file
Field wiring	Rear relay terminal block
Country marking	Made in USA

UR6TH function and operating principle

Ordered configuration

The 6TH model marking corresponds to the 6T I/O arrangement shown on the assembly label.

System role

It brings external equipment states into the relay and issues hardwired actions from FlexLogic or protection elements.

Selection and installation

The settings file and installed slot must define this exact contact configuration before the relay is returned to service.

Functional path

- Adds eight programmable contact inputs to a compatible Universal Relay.
- Provides four Form-A output contacts for protection and control logic.
- Uses the 6T execution without output-circuit monitoring.

Application scenarios

- Motor and feeder relays collect breaker, isolator and permissive contacts through the eight inputs.
- Protection schemes use the Form-A outputs for trip, close permissive or annunciation circuits.
- Retrofit work can restore a failed I/O position without replacing the complete Universal Relay chassis.

UR6TH engineering checks

Monitoring

- Eight programmable inputs report field contact states to protection and automation logic.
- Output states can be viewed in relay diagnostics even though external current is not monitored by this option.
- Event recording can associate digital transitions with protection-element operation in the host relay.

Diagnostics & Protection

- The host relay supervises module presence and mapped logic operation.
- This 6T execution does not verify current through the external Form-A output circuit.
- Trip-circuit supervision therefore requires separate relay logic or a different monitored-output option.

Compatibility

- The module belongs to the GE Multilin Universal Relay hardware platform.
- Firmware and order code must support the 6T arrangement in the selected chassis slot.
- Terminal wiring and settings cannot be copied from a different UR I/O code without comparison.

Critical technical note

Verify that the protection file expects non-monitored Form-A outputs before installing UR6TH; a monitored option is not functionally identical.

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