

TK-ORC161

TK-ORC161 Isolated Relay Output Module

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PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Honeywell Series A I/O

PART
TK-ORC161

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

Honeywell TK-ORC161 provides isolated switching of sixteen normally-open AC relay outputs in a documented Honeywell Series A I/O installation.

-  Sixteen normally-open relay outputs
-  Isolated 24-220 VAC output class
-  Single-wide Series A module
-  Coated TK execution

RELATED APTER POWER PAGES		
 General Electric IS200ECGIH1A-C2-A0IS200ECGIH1APR2	 General Electric IS200BPIBG1A-C2-A0IS200BPIBG1AEB	 General Electric WESDAC-D20ME-GE-HARRIS-820-0468-00
 General Electric IS200EISBH1AAA	 General Electric IS2020JPDCG1ACB	 General Electric IS200DSPXH1DBD
 General Electric 8851-LC-MT	 General Electric RE421REPAH1APR4	 General Electric IC660BBD022-855138

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, field connections and approved engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product type	Isolated relay output module	Terminal-block pins	36
Model	TK-ORC161	Module width	Single-wide
I/O family	Honeywell Series A	Execution	Coated TK-series model
Output channels	16	Host	Documented Series A chassis and terminal block
Contact form	Normally open	Commissioning scope	Slot identity, terminal block, load supply, normal state and
Documented output class	24-220 V AC		

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1General Electric
IS200ECGIH1A-C2-A0IS200ECGIH1APR2

2General Electric
IS200BPIBG1A-C2-A0IS200BPIBG1AEB

3General Electric
WESDAC-D20ME-GE-HARRIS-820-0468-00

4General Electric IS200EISBH1AAA

5General Electric IS2020JPDCG1ACB

6General Electric IS200DSPXH1DBD

7General Electric 8851-LC-MT

8General Electric RE421REPAH1APR4

9General Electric
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TECHNICAL NOTE

Install TK-ORC161 only in the documented Honeywell Series A I/O position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and isolated switching of sixteen normally-open AC relay outputs before release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Series A relay output

Switches documented AC loads from an Experion Series A chassis.

Discrete actuator command

Provides normally-open relay contacts for compatible field devices.

Coated control cabinet

Uses the TK execution in the documented industrial environment.

Output-module replacement

Restores slot, terminal block, channel mapping and relay-state verification.

PRODUCT PRECAUTIONS

- 1
- Confirm TK-ORC161 on the coated Series A module record.
- 2
- Place all sixteen output loads in the approved maintenance state.
- 3
- Record the slot, terminal-block identity, load supply and normal state of every channel.
- 4
- Isolate chassis and field energy before module removal.
- 5
- Verify the 36-pin terminal block and connector condition.
- 6
- Restore channel mapping and normally-open relay assignments.
- 7
- Review chassis, module and channel diagnostics.
- 8
- Exercise each assigned relay with field energy controlled before release.

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1	General Electric IS200ECGIH1A-C2-A0IS200ECGIH1APR2	2	General Electric IS200BPIBG1A-C2-A0IS200BPIBG1AEB	3	General Electric WESDAC-D20ME-GE-HARRIS-820-0468-00
4	General Electric IS200EISBH1AAA	5	General Electric IS2020JPDCG1ACB	6	General Electric IS200DSPXH1DBD
7	General Electric 8851-LC-MT	8	General Electric RE421REPAH1APR4	9	General Electric IC660BBD022-855138

ENGINEER FAQ

Q1

What output function does TK-ORC161 provide?

It provides isolated relay digital outputs.

Q2

How many output channels are provided by TK-ORC161?

It provides sixteen output channels.

Q3

Which contact form is documented for TK-ORC161?

The outputs use normally-open contacts.

Q4

Which output-voltage class is documented for TK-ORC161?

The documented output class is 24-220 V AC.

Q5

How many terminal-block pins are associated with TK-ORC161?

The documented terminal block has 36 pins.

Q6

What chassis width does TK-ORC161 occupy?

It is a single-wide Series A module.

Q7

What does the TK prefix indicate for TK-ORC161?

It identifies the coated execution in the Series A family.

Q8

Which test releases TK-ORC161 after replacement?

Exercise every assigned relay while confirming terminal mapping, field supply and module diagnostics.

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SOURCE

Honeywell Experion LS I/O Specifications EP03-110-400 and System HINTS | Official Honeywell manufacturer publication

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