

Installation Instructions

Original Instructions



Allen-Bradley

by ROCKWELL AUTOMATION

ControlLogix Isolated Contact Module

Catalog Numbers 1756-OX8I, 1756-OX8IK, 1756-OW16I, 1756-OW16IK

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ControlLogix® catalog numbers 1756-OX8I and 1756-OX8IK are 10...265V, 5-150V DC 8-point isolated contact modules. ControlLogix catalog numbers 1756-OW16I and 1756-OW16IK are 10...265V, 5-150V DC 16-point isolated contact modules.

The catalog numbers of these conformal coated products, 1756-OX8IK and 1756-OW16IK, include the designation 'K' in the last position before the series identifier.

Summary of Changes

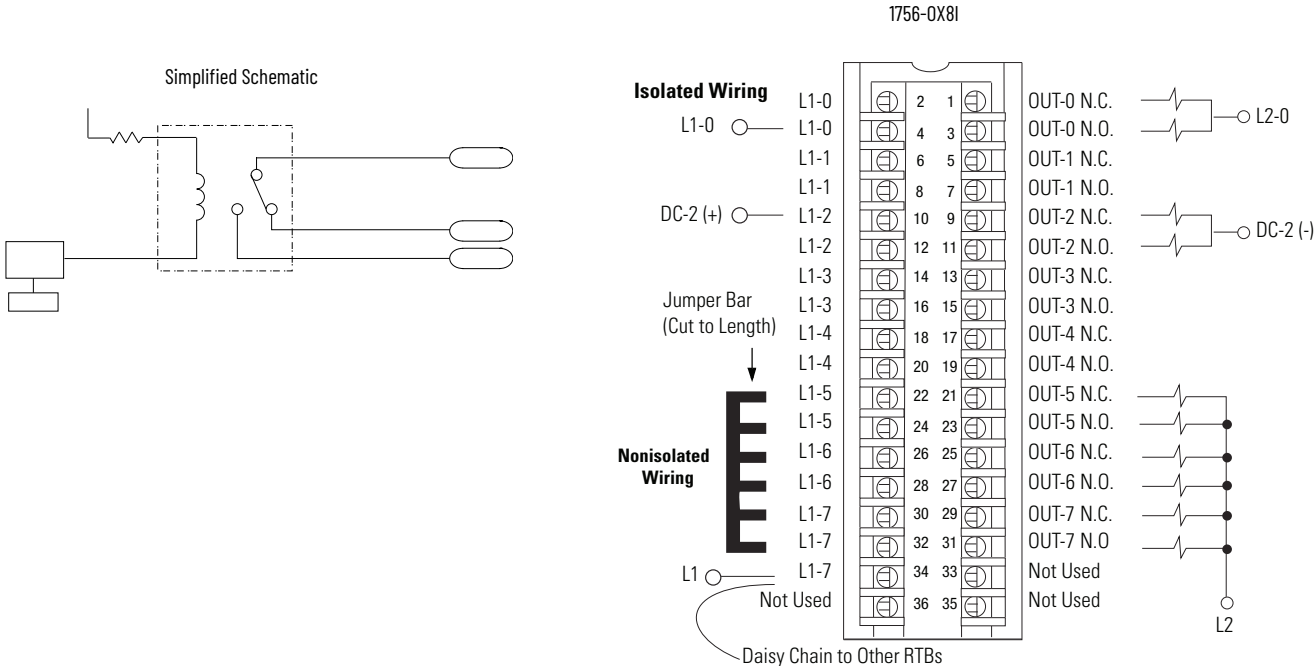
These updated installation instructions include new and revised content as shown in this table.

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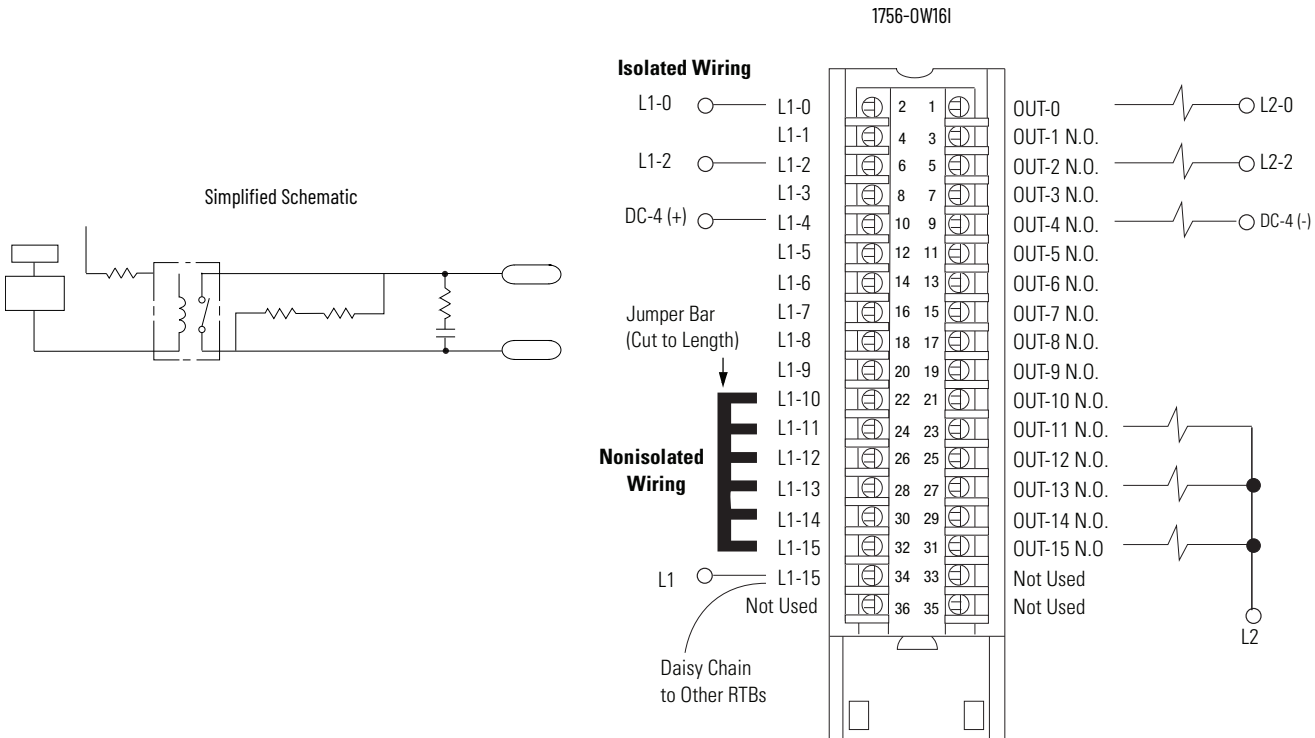
Wire the Module

You can connect wiring to your module with only an RTB.

1756-0X8I Wiring and Schematic



1756-0W16I Wiring and Schematic



Specifications

These tables list a subset of the module specifications. For a list of all specifications, see the 1756 ControlLogix I/O Specifications Technical Data, publication [1756-TD002K-EN-E](#).

Attribute	1756-0X8I, 1756-0X8IK	1756-0W16I, 1756-0W16IK
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	0...60 °C (32...140 °F)	
Temperature, surrounding air, max	60 °C (140 °F)	
Corrosive Atmosphere ⁽¹⁾ ASTM B845-97 Method H Accelerated Test (20-Day Exposure)	Severity Level G3 per ANSI/ISA 71.04-2013, Airborne Contaminants—Gases Severity Level CX ⁽²⁾ per IEC 60721-3-3:2019, Chemically Active Substances	
Isolation voltage	250V (continuous), basic insulation type, outputs-to-backplane, and output-to-output	
Initial contact resistance, max	100 mΩ @ 6V 1 A	—
Switching frequency, max	1 operation/3 s (0.3 Hz at rated load)	
Bounce time, mean	1.2 ms	
Expected contact life	300 kHz resistive 100 kHz inductive	
Scheduled outputs	Synchronization within 16.7 s max, reference to the Coordinated System Time	
States in Fault mode per point	Hold last state, On or Off (Off is default)	
States in Program mode per point	Hold last state, On or Off (Off is default)	
Removable terminal block	1756-TBCH 1756-TBS6H	
RTB keying	User-defined mechanical	
Slot width	1	
Wire category	1 ⁽³⁾	
Enclosure type	None (open-style)	
North American temperature code	T4A	

(1) Only applicable to modules that end with a 'K' or 'XT'.

(2) Up to 9.6 microns per year, corrosion rate of copper.

(3) Use this conductor category information for planning conductor routing as described in the system-level installation manual. See the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).