

Allen-Bradley 1756 Series Service Manual

1756-OX8I

1. Description

Mfr. Part Number:

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-OX8I
Series	ControlLogix
Outputs	8-Point Individually Isolated
Module	Type Isolated Relay Output Module
Output	Current 2, 0.5, 0.25 Amps
Contact	Output Form C contacts
Operating	Voltage 10-265 Volts AC, 5-150 Volts DC
Initial	Contact Resistance 100 m Ω @ 6V 1 A
Maximum	Switching frequency 1 operation/3 s (0.3 Hz at rated load)
Mean	Bounce Time 1.2 ms
Removeable	Terminal Block(s) 1756-TBCH, 1756-TBS6H
Maximum	Output Delay Time 13 milliseconds
Expected	contact life 300 kHz resistive; 100 kHz inductive
Backplane	Current at 5 Volts 100 mA
Power	Dissipation (Max) 3.1 Watts at 60 Celsius
UPC	10612598171474
UNSPSC	32151705
Enclosure	None
Isolation	Voltage 250V (continuous), basic insulation type, outputs-to- backplane, and output-to-output
Description	
The	1756-OX8I is an Allen-Bradley product intended for use with the ControlLogix platform. This module is a Relay output module that consists of Eight (8) Normally

3. Product Information

Mfr. Part Number:

1756-OX8I

Manufacturer: Allen-Bradley / Rockwell Automation

Description: Allen-Bradley 1756-OX8I ControlLogix 8-Ch AC/DC Isolated Relay Output Module

Full Description: Allen-Bradley 1756-OX8I ControlLogix Digital Contact Output Module, 8 N.O./N.C. Isolated Relay Outputs, 10-265V AC/ 5-150V DC, 2 Points/Group, 36 Pin The 1756-OX8I is a ControlLogix Discrete output module which operate at a voltage category of 5 to 125VDC and 10 - 240 VAC. This module has Eight (8) Normally Open (N.O) and Eight (8) Normally Closed (N.C) contact outputs. This module is directly installed to a 1756 local or remote chassis. Technical specifications for 1756-OX8I

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1756-OX8I

Series ControlLogix

Outputs 8-Point Individually Isolated

Module Type Isolated Relay Output Module

Output Current 2, 0.5, 0.25 Amps

Contact Output Form C contacts

Operating Voltage 10-265 Volts AC, 5-150 Volts DC

Initial Contact Resistance 100 m Ω @ 6V 1 A

Maximum Switching frequency 1 operation/3 s (0.3 Hz at rated load)

Mean Bounce Time 1.2 ms

Removeable Terminal Block(s) 1756-TBCH, 1756-TBS6H

Maximum Output Delay Time 13 milliseconds

Expected contact life 300 kHz resistive; 100 kHz inductive

Backplane Current at 5 Volts 100 mA

Power Dissipation (Max) 3.1 Watts at 60 Celsius

UPC 10612598171474

UNSPSC 32151705

Enclosure None

Isolation Voltage 250V (continuous), basic insulation type, outputs-to- backplane, and output-to-output

Description

The 1756-OX8I is an Allen-Bradley product designed for use with the ControlLogix platform. This module is a Relay output module that consists of Eight (8) Normally Open (N.O) and Eight (8) Normally Closed (N.C) individually isolated contacts.

As this is a contact output module, each contact may be individually wired with an AC Voltage with range of 10 - 240 VAC or DC Voltage range of 5 to 125VDC. This enables the module to energize output devices operating at different voltage categories. Output devices such as contactors, motor starters, variable frequency drives, pilot lamps, annunciator panels, sounding devices, motors and equipment are some of the loads that may be connected to this module.

The output channels of this module are individually isolated however, it may also be wired as a non-isolated relay output module. This is done by simply shorting the L1 connections of the Removable Terminal Block (RTB) with the use of 1756-JMPR or a 3rd party jumper conductor. Compatible RTB for use with relay output module are 1756-TBCH and 1756-TBS6H. These modules are separately purchased. With the use of RTBs, Output termination is modularized, module installation, troubleshooting and replacement is simplified. RTB prevent re-wiring or output signal termination.

Each of the modules maximum initial contact resistance of 100 m Ω at 6V 1 A. Additionally, each contact output has an expected contact life of 300 kHz for resistive load and 100 kHz inductive for inductive load. It also has a switching frequency of 1 operation/3 s (0.3 Hz at rated load) and a mean bounce time of 1.2 ms.