

Allen-Bradley 1746 1747 Series Service Manual

1762-OW16

1. Description

The 1762-OW16 is MicroLogix expansion module. This module has Sixteen (16) Relay output channels. This module is designed for an operating voltage range of 5 - 265VAC and 5 - 125V DC. module is compatible for use with MicroLogix 1100 / 1200 and 1400 controllers. Technical specifications for 1762-OW16

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Module	Type Relay Output Module
Series	MicroLogix
Compatible	Controllers MicroLogix 1100 / 1200 / 1400
Mounting	Type DIN Rail
Part	Number/Catalog No. 1762-OW16
Isolated	Groups 2
Outputs	(16) AC/DC Relay
Relay	Contact Voltage Ratings 24-125 VDC;120-240VAC
Voltage	Category AC/DC Normally Open Relay
Operating	Voltage Range 5-265V AC; 5-125V DC
Mounting	Type DIN Rail; Panel Mounting
No.	of Groups Two (2)
UPC	10611320152149
Channels	Per group Eight (8)
Signal	Delay 10 ms
Max.	Current per point 2.5 A
Shipping	Weight 0.63 pounds
Heat	Dissipation 6.1 Watts
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Surge suppressors are recommended for installation across the inductive load. This surge suppressors may provide protection to the high-inrush current of inductive loads thus, may contribute in extending the operational lifespan of the module.

When used with a MixroLogix 1100 controller, up to Four (4) instances of this module may be installed. If used with MicroLogix 1200, up to Six (6) modules is supported while Seven (7) modules are permitted when used with MicroLogix 1500.

The module's physical dimension measures 90 x 40.4 x 87 mm (3.54 x 1.59 x 3.43 in.) Height including mounting tabs is 110 mm (4.33 in.). Installation depends on the base controller. As standard for MicroLogix 1100 / 1200 and 1400 controllers, this module supports DIN rail of direct panel mounting.

The Allen-Bradley 1762-OW16 module is a relay output module that can operate on both DC power and AC power. It has a designed operating voltage range of 5 to 265 Volts AC and 5 to 125 Volts DC. The 1762-OW16 has 16 outputs, its maximum heat dissipation is 6.1 Watts, and it has an enclosure type rating of IP20. The weight of this module is around 0.63 pounds. The module's maximum bus current draws are 140 mA at 5 Volts DC voltage and 180 mA at 24 Volts DC voltage. The minimum on-state current of the 1762-OW16 is 10 mA. The maximum continuous current per point is 2.5A and the maximum continuous current per point common is 8A while the maximum continuous current per module is 16A. The maximum controlled load of the 1762-OW16 is 1440 VA. The 1762-OW16 module has 4 relay contact ratings. The relay output is rated for 24 Volts DC, 125 Volts DC, 120 Volts AC, and 240 Volts AC. For 240 to 120 Volts AC, the maximum continuous current per point is 2.5 Amps. For 125 Volts and 24 Volts DC, and the maximum continuous current per point is 2 Amps and 1 Amp. Connecting surge suppressor devices across the external inductive load will extend the life of the relay contacts. For additional details, refer to Allen-Bradley's wiring guidelines. Keep in mind that electrostatic discharge can damage the 1762-OW16's semiconductor.