

Allen-Bradley 1746 1747 Series Service Manual

1746-OBP8

1. Description

The Allen-Bradley 1746-OBP8 is a SLC 500 Digital DC Output Module. This Digital DC Output Module has Eight (8) channels with an output Voltage Range of 20.4-26.4 Volts DC in Sourcing configuration. It may be installed in a SLC 500 fixed or modular style hardware. Technical specifications for 1746-OBP8

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1746-OBP16
Series	SLC 500
Module	Type Digital DC Output Module
Outputs	8
Voltage	Range 20.4-26.4 Volts DC Source
No.	of Outputs Eight (8)
No.	of Groups 2
Points	per group 4
Signal	Delay on = 1.0 ms / off = 2.0 ms
Applications	High Current
Current/Output	2.0A at 60°C
Step	Response 60 milliseconds in, 2.5 milliseconds out
Current/Module	8.0A at 0° to 60°C
Backplane	Current (5 Volts) 0.135A milliamps
Recommended	signal wires Max 2 mm. sq. (14 AWG) Description
The	Allen-Bradley 1746-OBP8 is an SLC 500 digital I/O module. This output module is a fast turn-off module with Eight (8) output points available and with each group having 4 points. The 1746-OBP8 module is a 24V DC source, high current digital DC output module that has e-fuse LED indicators that allow you to monitor its current state. It is ideal for use with programmable controllers with high current output applications. This module has an open-type enclos

3. Product Information

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This module is a High-Current solid-state output that is ideal for use in automotive, packaging, material handling and many other applications. It is typically used for energizing electrical loads that operates with a voltage category of 24VDC. Some of these electrical loads include indicating devices such as Pilot Lamps and Alarm annunciator panels, Sounding devices such as Horn, Siren, Buzzer and Actuators such as Solenoid, motorized actuated devices.

If loads are operating with AC voltage category, the module may still be used by installing interposing relays. With interposing relays, the coil voltage of the relay matches the voltage output rating of the output module. The relay contacts accommodate the AC voltage which may be turned ON or turned OFF when the relay is energized by the module. Interposing relays also provide isolation which may be used to increase module protection.

This module is compatible with SLC 500 processors, whether stand-alone, expanded or Remote I/O topology. It may also be used with fixed hardware style or modular hardware style SLC 500 controller platform. It occupies single slot of the chassis where backplane power is supplied. It also requires an external DC power supply for generating the designed output power.

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