

1746-OW8/A

Allen-Bradley (Rockwell Automation) · SLC 500 / Bulletin 1746

The Allen-Bradley 1746-OW8 is an eight-channel electromechanical relay output module for the SLC 500 programmable controller platform, providing isolated normally-open contacts that switch both AC and DC loads. Its eight outputs are divided into two commons of four points each, supporting mixed-voltage control environments such as motor starters, solenoids, pilot devices, alarms, and interposing relays. The module mounts in any SLC 500 chassis or remote I/O rack and is widely used in factory automation, packaging equipment, material handling, and process control panels requiring relay-based output control.

Manufacturer: Allen-Bradley (Rockwell Automation)

Brand: Allen-Bradley

Part Number/Catalog No.: 1746-OW8/A

Base Catalog: 1746-OW8

Series Suffix: A

Product Type: Relay Output Module

Product Family: SLC 500 / Bulletin 1746

Model-Specific Specifications:

8 normally-open relay outputs (2 groups of 4)
operating voltage 5-265 VAC or 5-125 VDC
1.5 A per output at 120 VAC, 1.2 A per output at 24 VDC
8 A continuous per common, 16 A continuous per module
backplane current 85 mA @ 5V DC and 90 mA @ 24V DC
signal delay 10 ms ON / 10 ms OFF
relay isolation (1500 VAC typ) to backplane
chassis mount (1746 I/O chassis)
open-style
operating temp 0 to 60 C.

Series / Family Common Specifications:

Modular systems mount modules in a 1746 chassis (1746-A4/-A7/-A10/-A13) with 4/7/10/13 slots; all chassis are panel-mount.

The 1746 chassis backplane supplies 5.1V DC @ 10A and 24V DC @ 2.88A power bus to all modules.

Family operating temperature 0 to 60 C; storage -40 to 85 C; 5-95% RH non-condensing.

I/O modules draw 5V DC logic via backplane; field-side load power needs an external supply.

Removable terminal blocks for field wiring; Bulletin 1492 pre-wired interface available.

Not hot-swappable: do not install/remove/wire with power applied. Slot 0 reserved for processor or 1747-ASB adapter.

Lifecycle Status: Discontinued

Discontinuation Date: 2022-12-31

Recommended Replacement: Engineering Replacement