

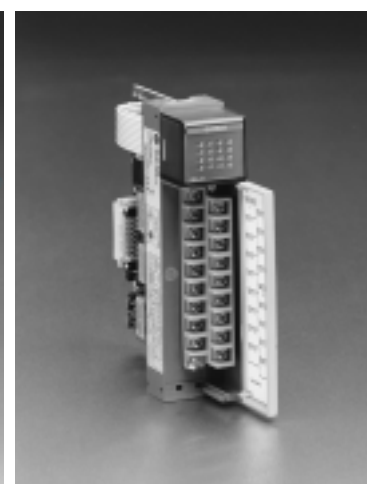
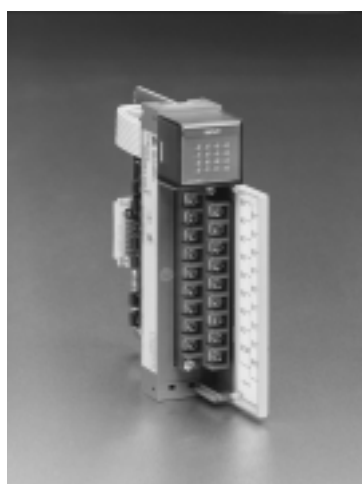


Allen-Bradley

Technical Data

Discrete Input and Output Modules

(Catalog Numbers 1746-IA4, -IA8, -IA16, -IB8, -IB16, -IB32, -IC16, -IG16, -IH16, -IM4, -IM8, -IM16, -IN16, -ITB16, -ITV16, -IV8, -IV16, -IV32, -OA8, -OA16, -OAP12, -OB6EI, -OB8, -OB16, OB16E, -OB32, OB32E, -OBP8, -OBP16, -OG16, -OV8, -OV16, OV32, -OVP16, -OW4, -OW8, -OW16, -OX8, -IO4, -IO8, -IO12, -IO12DC)



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Our wide variety of input, output, and combination modules makes the SLC 500™ family the smart choice for all of your small PLC applications. I/O

modules are available in a wide variety of densities including 4-, 8-, 16-, and 32-point and can interface to AC, DC, and TTL voltage levels. Output modules are available with solid state AC, solid state DC, and relay contact type outputs. For added flexibility, combination modules are also available in 2-input/2-output, 4-input/4-output, and 6-input/6-output versions.

Designed and tested for industrial applications, our modules are of the highest quality. The modules feature input filtering, optical isolation, and built-in surge protection to enhance the reliability of operation in noisy industrial environments.

Class 1, Division 2 certified by UL and CSA. CE compliant. All modules are UL 508 listed and CSA 22.2 142 approved and meet Class 1, Division 2 hazardous location requirements of both Underwriter's Laboratory and the Canadian Standards Association (except for those noted in the module summary on page 2). For use within the European Union or EEA regions, most modules have been tested to meet Council Directive 89/336 Electromagnetic Compatibility (exceptions are listed on page 2).

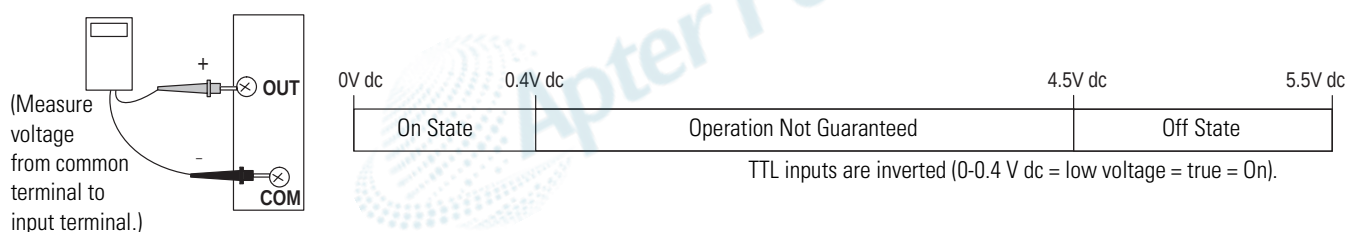
Sinking TTL Output Module (1746-OG16)

Specification		Catalog Number
		1746-OG16 (RTB)
Voltage Category		5V dc TTL ⁽¹⁾
Operating Voltage Range		4.5 to 5.5V dc 50 mV peak-to-peak ripple maximum 495 mA maximum at 5V dc
Number of Outputs		16
Points per Common		16
Backplane Current Draw	5V dc	0.180A
	24V dc	0.0A
Signal Delay (max.) (Resistive Load)		on = 0.25 ms / off = 0.5 ms
Off-State Leakage (max.)		0.1 mA
Load Current (min.)		0.15 mA
Continuous Current (max.)		24 mA

(1) TTL outputs are inverted (0-0.4V dc = low voltage = True = On). Use a NOT instruction in your ladder program to convert to traditional True = High logic.

RTB = Removable Terminal Block.

On/Off-State Voltage Range



Circuit and Wiring Diagrams

