

Allen-Bradley 1756 Series Service Manual

1756-RM2K

1. Description

The 1756-RM2K module is a redundancy module. It has been designed and manufactured by Allen-Bradley/Rockwell Automation in the ControlLogix series for use in a ControlLogix system. The 1756-RM2K redundancy module is typically the only redundancy module that is supported and required by a ControlLogix chassis at a time. It can be used in systems that support the Ethernet network. The 1756-RM2K redundancy module has current draw ratings technical specifications for 1756-RM2K

3. Product Information

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Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1756-RM2K

Series ControlLogix

Module Type Enhanced Redundancy Module

Length 10 kilometers

Wavelength 1310 Newton Meters

Transmission 1000 MB per Second

Channels 1

Operating Temperature 32-140 Fahrenheit (0-60 Celsius)

Enclosure None

Wire Size 20 AWG

Dimensions 5.51 x 4.41 x 5.71 inches The 1756-RM2 is a ControlLogix Enhanced Redundancy Module manufactured by Allen Bradley. The 1756-RM2 features an enhanced speed with a performance of 1000 Megabytes per Second. Paired with 1756-L7 x controllers in both chassis, the 1756-RM2 gives best scan performance and for cross loading the 1756-RM2 uses redundant fiber ports ensuring no single point of failure. While on channel switchover, the processing chassis is usually synched while scan time might encounter delay of up to 10 Milliseconds. The 1756-RM2 comes with enhanced safety features making it interference free. The 1756-RM2 is a redundancy module that draws a 1.16 Amps current running at 5.1 Volts DC and 3.4 mA at 24 Volts DC. The maximum power dissipation for the 1756-RM2 is 6 Watts with a thermal dissipation of 21 BTU per hour and it is usually installed on any slot location on the chassis. The shipping weight for the 1756-RM2 is 0.64 pounds and the shipping dimensions for the 1756-RM2 includes 5.51 x 4.41 x 5.71 inches. The module comes with an open enclosure. For communication, the 1756-RM2 features seven enhanced ControlNet and Ethernet/IP communication modules. When it comes to wiring, the 1756-RM2 functions effectively with the 1756-RMC1, the 1756-RMC3, and the 1756-RMC10 cables with 1 meter, 3 meter, and 10 meter lengths respectively.

The operating temperature for the 1756-RM2 is 32 to 140 degrees Fahrenheit which is equivalent to 0 to 60 degrees Celsius.