

Allen-Bradley 1756 Series Service Manual

1756-RM2XT

1. Description

The Allen-Bradley/Rockwell Automation 1756-RM2XT module is one of the redundancy modules that is available from the Allen-Bradley ControlLogix series. It is compatible with Allen-Bradley ControlLogix 5580 series controllers and ControlLogix 5570 series controllers. The 1756-RM2XT redundancy module has no enclosure and it meets the T4 North American temperature code, the T4 IECEx temperature code, and the T4 ATEX temperature code. Its Technical specifications for 1756-RM2XT

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-RM2XT
Series	ControlLogix
Module	Type Enhanced Redundancy Module with Extended Temperature
Length	4 kilometers
Wavelength	1300 Newton Meters
Transmission	Less than 1000 MB-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 Description
The	Allen-Bradley 1756-RM2XT is an enhanced, extreme environment redundancy module required to build a redundant system. Working in a pair with one module in each chassis, it provides supervision for the operating states and the state transitions that are the foundations for the redundancy operations framework. With regard to safety functions, it is interference-free and ideal for use in ControlLogix SIL 2 applications. It is part of the ControlLogix Redundancy Module Series and supports the ControlLogix 5560 and ControlLogix 5570 Controller families. The 1756-RM2XT can only be used wi

3. Product Information

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The 756-RM2XT is mostly used together with other enhanced redundancy modules and cannot be utilized with 1756-RM/A, the 1756-RM/B or the 1756-RMXT. The module is rated for utilization in the extreme environments where or that is characterized with harsh conditions. It draws an operating current of 1.16 Amps, and 3.4 mA at 5.1 Volts DC and 24 Volts DC power supplies from the backplane. The 756-RM2XT comes with a maximum power dissipation of 6 Watts and the thermal dissipation is rated at 21 BTU per hour. The 756-RM2XT occupies a single slot and is usually installed on either of the chassis slots. 756-RM2XT is compatible with the Bulletin 1756-RMC series of the connector cables with the standard 1756-PAXT and 1756-PBXT as the power supplies.