



# 2500 Series™ Compact System



## 2500C-RADP-RS485 Siemens® Simatic 500 RS485 Remote Base Controller Adapter



### Description

The 2500C-RADP- RS485 Remote Base Controller (RBC) allows a Siemens® Simatic 500 I/O base to function as a slave node on an RS-485 Remote I/O channel.

### Features

- Compatible with Siemens® Simatic 500 IO Chassis
- Communication to a 2500 CPU at 2Mbit/second
- Maximum cable distance from CPU to RBC 1000m
- Supports discrete and analog IO
- LED display for error codes and station address
- Includes RS232C port for remote programming of PLC from the RBC

### Specifications

Ports	RS485	RS232C
Ports	9 Pin Female	9 Pin male
Communication Rate	1 Mbits/sec	300 to 19.2K Baud Rate
Communication Port Isolation	1500VDC	

### Output State Selection

Determines state of outputs when RS485 channel is lost:	OFF All outputs are turned off (Module ships in this Configuration)	FREEZE All outputs hold their last value

### RBC Configuration

Dipswitch Settings	Serial port baud rate
Front panel Rotary Switch	Slave Base Address

### General Module Specifications

Max. Backplane Power Consumption	1.5 Watts
ESD Protection	IEC 1000-4-2 Level 4
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Agency Approvals Pending	UL, ULC, UL Class 1, Div 2, CE
Shipping Dimensions and Weight	223.84mm x 109.86mm x 80.96mm, 0.454kg

Go to [www.controltechnology.com](http://www.controltechnology.com) for a current copy of the Installation & Operation Guide.



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## 2500C-RADP-RS485 Siemens® Simatic 500 RS485 Remote Base Controller Adapter



This figure above shows the mounting location of the 2500C-RADP-RS485 module and the 2500C-PADP-120V. See the Installation and Operation Guide for more mounting and application information.



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