2500-RBC
Profibus Remote Base Controller

Classic

2500 Series® PLC System
Product Bulletin

Description

The 2500-RBC Profibus Remote Base Controller (RBC) allows a CTI 2500 Series® or Simatic® 505 I/O base to function as a slave node on a Profibus DP I/O channel that complies with the PROFIBUS standard. The Remote Base Controller is intended to be a replacement for the Siemens® 505-6870 RBC.

Features

- Replaces Siemens® 505-6870
- Compatible with CTI 2500 Series, Simatic® 505, Siemens® S5® and S7®, as well as other Profibus masters
- Can be used in all 4, 8, and 16 slot CTI and Siemens® bases
- Supports communication speeds from 9600 baud (max cable distance per segment: 1200m) up to 12 Mbaud (max cable distance per segment: 100m)
- Supports all CTI and Siemens® discrete and analog I/O modules
- GSD file is provided with the RBC to allow configuration by WORKSHOP or COMPROFI
- LED display for error codes and station address

Specifications

Ports:
Profibus 9-pin female, pins 2,7 no connect

Profibus Baud Rates:
9600, 19.2K, 93.75K, 187.5K, 1.5M, 3.0M, 6.0M, 12M

Profibus Port Isolation: 1500VDC

Output State Selection:
Determines state of outputs when I/O channel communication is lost:

off	all outputs are turned off
freeze	all outputs hold their last value

Dipswitch Options:
Serial port baud rate (future use)
RBC station address
Status display mode

Software-Set Parameters:
Discrete I/O interval
Word I/O update factor
Ignore mismatch mode
RS232 port enable/disable

Diagnostic Data:
Station status (3 bytes)
Master address (1 byte)
Ident number (1 byte)
Extended diagnostics (9 bytes)

Backplane Power: 2 Watts (maximum)

Module Size: Double-wide

Shipping Weight: 1.5 lb. (0.68 Kg)

Additional Product Information:

On CTI's Website you will find links to the 2500 Series Std Environmental Specifications and the UL Agency Certificates of Compliance .

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