Series 2000 Control Module

Description

The Series 2000 Control Module is the interface between the TI-RFid Radio Frequency Module RI-RFM-104B, RI-RFM-007B or RI-RFM-008B and the Host. It decodes the received RF signals into the transponder's identification number, checks the validity and handles the conversion to a standard serial interface protocol. In addition it can store up to 909 reading transactions into the buffer. The S2000 Control Module is offered with two different serial interfaces, the RI-CTL-MB2A for point-to-point communication via an RS232 interface and the RI-CTL-MB6A for point-to-multipoint communication via RS422/485 interface. It has also two open collector outputs and eight configurable digital input/outputs that can be defined by the user.

Specifications:

Part Number	RI-CTL-MB2A	RI-CTL-MB6A
Operating Temperature	0 to +70°C	
Storage Temperature	-40 to +85°C	
Relative Humidity	< 97% non-condensing, IEC 68-2-30 Test Db, 21 cycles	
Power Supply	7 to 25 Vdc, regulated	
Memory	64 kbyte PROM for Code 1 kbit EEPROM for Configuration 32 kByte RAM for Data	
Data Storage (ID Codes)	909	
Communication Interface	RS232	RS422/485
System Architecture	Point-to-point	Point-to-multipoint
Communication Protocols	ASCII with Xon/Xoff handshake; TI-Rfid Bus Protocol	
Communication Parameters	600 – 57600 Baud, 7/8 data bits, even/odd parity	
Input / Output	8 configurable digital I/O's, 2 open collector outputs	
Connector Type	Standard connector 'Combicon Type' from Phoenix Contact	
Operation with	Series 2000 Standard RFM (RI-RFM-104B) Series 2000 High Performance RFM (RI-RFM-007B) Series 2000 Remote Antenna RFM (RI-RFM-008B)	
Reference Documentation	11-06-21-037 Reference Guide Series 2000 Control Module RI-CTL-MB2A 11-06-21-056 Reference Guide Series 2000 Standard Reader RI-STU-MB2A/MB6A 11-06-21-042 Reference Guide Series 2000 High Performance RFM RI-RFM-007B 11-06-21-047 Reference Guide Series 2000 Remote Antenna RFM RI-RFM-008B	
Dimensions	93 mm x 82 mm x 33 mm ± 1.5mm	
Weight	approx. 90g	
Approval	CE	

For more information, contact the sales office or distributor nearest you. This contact information can be found on our web site at: **http://www.ti-rfid.com**