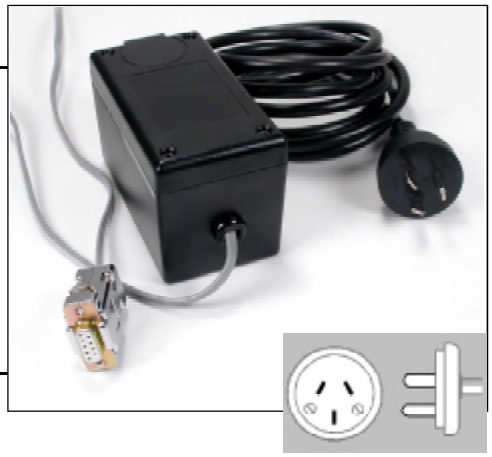
TI203-RS232

RS232 (ASCII format) to A10 Powerline Carrier



FEATURES

- Allows communication via RS232 to transmit and receive Powerline Carrier Commands in 9600/19200 baud
- Compatible with X10 protocol including

  Extended Code 1
  Standard Code Preset Dim Commands
- Plugs into standard Australian wall outlet

APPLICATIONS

- Allows any computer to control powerline receivers

PRODUCT DESCRIPTION

The TI203-RS232 is a power line carrier transceiver The TI203-RS232 is a power line carrier transceiver with an RS232 serial communications cable for connection to any IBM compatible computer.

The TI203-RS232 is switch selectable for a baud rate of 9,600 or 19,200 bps (bits per second).

A building automation system or any IBM compatible PC can use the TI203-RS232 to monitor and control X10, ACT or Leviton powerline carrier modules. It can receive and transmit standard X10 and X10 "Extended Code 1" protocols. Transmitted commands and received data is pre-formatted in ASCII such as A01 ON, B03 DIM, etc.

The TI203-RS232 is also DIP switch selectable for the following:

1. Polite or Rude Transmission. Polite (waits until other transmissions stop) or Rude (transmits regardless of signal traffic on line).
2. Single phase or 3 phase.
3. Change A10 software sensitivity to detect a signal embedded in noise.
4. Number of attempts on transmission (four or unlimited).
5. Checksum override to allow for easy software testing.
6. Start Code Filter for added flexibility.

The TI203-RS232, is packaged in a plastic housing with an 6' (1.8m) power cord terminating in a three blade electrical plug allowing it to plug into a standard Australian electrical wall outlet.

The TI203-RS232 is equipped with a 6' (1.8m) serial communication cable terminating in a DB9 plug for easy connection to any IBM compatible computer. Manufactured under Advanced Control Technologies, Inc.'s patent No. 6,229,432.

ORDERING INFORMATION

Specify: TI203-RS232 (9600/19200 baud - DIP switch selectable)

SPECIFICATIONS

Electrical Requirements

Power:	240 VAC, +/-10% 50/60 Hz (DIP switch selectable)
Communications:	
Type:	RS232 ASCII format
Baud Rate:	9600/19200 bps (DIP switch selectable)

Power Line Carrier Transmission Parameters:

Signal Strength	6 Volts peak to peak (minimum) @ 5 ohm loaded power line
Carrier Frequency	120 kHz +/- 1kHz
	Single or three phase (DIP switch selectable)
Transmission Options	Rude or Polite (DIP switch selectable), limited or unlimited retry

Power Line Carrier Reception Parameters:

Signal Strength	35 mV peak to peak (minimum)
Carrier Frequency	120 kHz +/- 4kHz

Mechanical Requirements

Electrical Connections

Power	6 foot (1.8 meter) power cord with molded Australian 3 prong plug
Serial Communications	Attached 6 foot (1.8 meter) serial communications cable with DB9 female connector.
Weight	20 ounces (538.6 grams)
Enclosure Dimensions:	4.60" (11.68 cm) L x 2.23" (5.66 cm) W x 3.50" (8.89 cm) H

Environmental Requirements

Operating Temperature	32 to 120 degrees F (0 to 49 degrees C)
Storage Temperature	0 to 150 degrees F (-18 to 66 degrees C)
Operating Humidity	5 to 95% non-condensing

Specifications may change without notice to improve product performance.