

CAN to Serial Converter



CWC-530A

Features

- ✓ Supports CAN 2.0A and 2.0B specification
- ✓ Supports multimode fiber optic port with ST connector
- ✓ Support multiple bauds from 10K to 1Mbps
- ✓ Equipped with jumper for 120Ω terminator resistor of CAN Bus
- ✓ Software configurable CAN and RS-232/422/485 communication parameters
- ✓ Provides transparent communication between RS-232/422/485 and CAN bus network
- ✓ Power, data flow and error indicator for CAN and RS-232/422/485
- ✓ With watchdog feature
- ✓ DIN Rail mountable



Overview

The Canary CWC-530A is a CAN to RS-232/422/485 converter especially designed to convert messages in CAN applications. With CWC-530A, CAN devices can easily communicate with programmable RS-232/422/485 devices (PC, PLC or PAC) PC or serial devices. CAN bus is a serial communication way, which efficiently supports distributed real-time control with a very high level of security. It provides the error process mechanisms and message priority concepts. CWC-530A is an ideal device for applications where the transmission must be protected from surges, lighting, electrical contact or chemical corrosion.

Hardware Specifications

CAN Bus

CAN Bus Protocol: 2.0A and 2.0B

CAN controller: Microprocessor with 20MHz

CAN Transceiver: Philips 82C250

CAN Port channels: 1

CAN Port connector: ISO/IS 11808-2, 9-pin D-sub connector

Baud rate: 10K, 20K, 50K, 100K, 125K, 250K, 500K, 800K and 1Mbps

Protection:

3000VDC power protection on CAN side

2500Vrms photo-couple isolation on CAN bus

Terminator resistor: Selectable 120 Ω terminator resistor by jumper

Pin Out: C.I.A. DS-102 (CAN_H=7, CAN_L=2, GND=3)

Receive buffer: 900 data frames

RS-232/422/485 Interface

Connector: 14-pin terminal connector

Baud rate: 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps

Data bits: 5, 6, 7, 8

Parity/Stop bits: Odd, even, or no parity/1,2

Receive buffer: 900 data frames

Power

Power Input: Unregulated 10~30VDC

Power Protection: Power reverse protection and over voltage protection

Power Consumption: 1 watts

Dimensions: IP-20 standard, 72 mm (W) x 118 mm (H) x 33 mm (D)

Installation: DIN-Rail, Panel mount

Environmental

Operating Temp: -25 to 75°C

Storage Temp: -40 to 80°C (-40 to 180°F)

Operating Humidity: 5%~90% RH (Non-condensing)

Regulatory Approvals: FCC Class A, CE

Environmental: WEEE, RoHS

MTBF: 200,6000 hrs based on Mil-Hdbk-217F, GB

Warranty: 2 years