



New product announcement  
UC-PRG020-12A

# Newsletter

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UC-PRG020-12A

## Product Introduction

**Model:**  
**Programming cable (RS-232 to USB)**  
**UC-PRG020-12A**

In industrial automation applications, many devices have RS-232 serial communication interface. With the progress of time, serial communication ports are removed from notebooks. Therefore, there are situations in which USB needs to be converted to RS-232. However, converters on the market may not be stable and compatible, and users have to spend much time in troubleshooting.

Delta UC-PRG020-12A is an industrial USB-to-RS-232 converter. It conforms to industrial standards, and passes strict product tests. Besides, it has a male mini-DIN connector and a female DB-9 connector. UC-PRG020-12A is the best converter connecting a computer and an RS-232 device.

UC-PRG020-12A is compatible with Delta DVP series PLCs, DOP-B series HMIs, and TP series text panels. Users can connect Delta software to equipment by UC-PRG020-12A. The length of an UC-PRG020-12A cable is two meters, and therefore UC-PRG020-12A is suitable to be used in offices and factories.





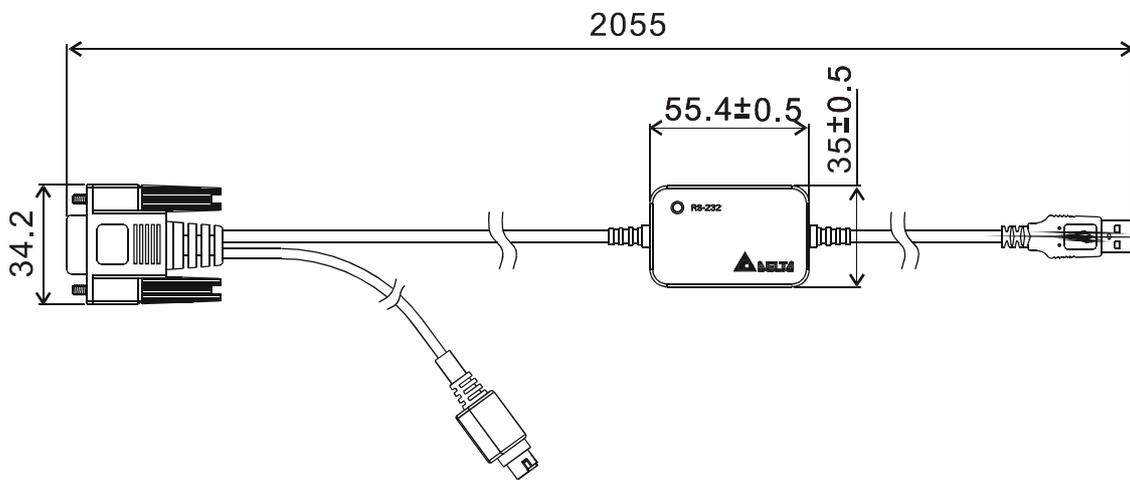
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**Electrical and Functional Specifications**

**Dimensions**

**UC-PRG020-12A**





## Electrical and Functional Specifications

### ■ Features:

- High compatibility: Its USB driver supports Windows XP/7/8 (32/64-bit) operating systems.
- Virtual COM port: It can be connected to RS-232 software.
- Double interface: it has a male mini-DIN connector and a female DB-9 connector
- High-speed USB: It supports USB 2.0.
- High compatibility: It can connect to all Delta RS-232 devices.

### ■ RS-232 interface

Interface	DB-9 connector, mini-DIN connector
Transmission rate	75, 150, 300, 600, 1,200, 2400, 4800, 9600, 19200, 38400, 57,600、115200 bps
Communication format	Stop bit: 1,2 / Parity bit: None, Odd, Even / Data bit: 7,8 / ASCII/RTU

### ■ USB interface

USB connector	A-type plug
Compatibility	USB V2.0
Operating system	32-bit/64-bit version of Windows XP/Windows 7/Windows 8

### ■ Electrical specifications

Input voltage	4.4 V~5.25 V
Maximum input current	50 mA



■ Environmental specifications

Operating temperature	0 °C ~55 °C (32 °F ~131 °F )
Storage temperature	-25 °C ~70 °C (-13 °F ~158 °F)
Operating humidity	5%~95% (No condensation )
Electromagnetic suspension (EMS)	ESD ±10KV Air Discharge (IEC 61000-4-2 ), 6KV Contact Discharge, EFT ±2KV, 5KHz Repetition Frequency, duration time 15ms (IEC 61000-4-4 level 3)
Shock	Acceleration 15G, Period 11ms (IEC 60068-2-27 (Tests Ea))
Vibration	Frequency 5- 8.4 Hz, 8.4 - 150 Hz, Amplitude 3.5 mm, Acceleration 1G (IEC 60068-2-6 (Test Fc))
Free fall	1 corner, 3 edges, 6 faces, 1m in packaging (IEC 60068-2-32)
Certificates	CE

## Application:

Editing parameters by Delta software, and uploading/downloading programs.



Delta software



UC-PRG020-12A



Delta devices

The Delta products that UC-PRG020-12A supports are listed below.

(1) Mini-DIN

Product type	Series
PLC	DVP-SV series, DVP-SX series, DVP-SV2 series, DVP-SA2 series, DVP-SS2 series, DVP-SX2 series, DVP-ES2 series, DVPEX2 series, DVP-EH3 series, DVP-EC3 series, DVP-ES series, DVP-EX series, DVP-MC series, DVP-PM series, DVP01LC-SL, DVP02LC-SL, DVPEN01-SL
RTU / IFD	RTU-EN01 、 IFD9506 、 IFD9507
ASDA	ASDA-B series



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(2) DB-9

Product type	Series
PLC	AH5xx series (A male-to-male connector is needed)
HMI	DOP-B series
TP	TP02G-AS1, TP04G-AS2, TP04G-AL2, TP04G-AL-C, TP04G-BL-C, TP08G-BT2

Accessory: Adapter male-to-male DB9 connector