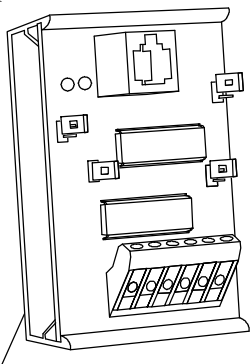


Universal RS-232/422/485 Converter F2-UNICON

The F2-UNICON Universal Converter is very similar to the FA-UNICON in features and purpose, but it has been specifically designed to be used with the DL05 and DL205 CPUs. Like the FA-UNICON, the F2-UNICON also converts RS-232C signal levels to RS-422 signal levels or RS-422 signal levels into RS-232C signal levels. Here are some of the key differences.

- F2-UNICON offers more flexibility in mounting due to circuit board and DIN rail housing assembly.
- F2-UNICON does not require an external power source. It obtains power from the +5V pin on the D2-240 CPU bottom port (bottom port only).
- F2-UNICON has transmit and receive LEDs to simplify troubleshooting.

The diagram shows a simple example.



DIN rail bracket

Installation is a snap

The F2-UNICON comes with a DIN rail housing for the circuit board. Simply snap the board into the housing and mount it on a DIN rail (or flush mount it on a panel). Connect the communications wiring to the convenient terminal blocks, then connect the adapter to the CPU port with the cable.

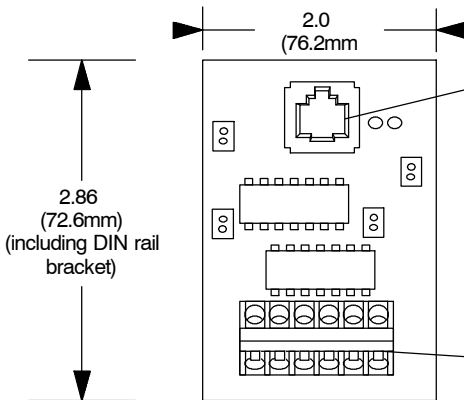
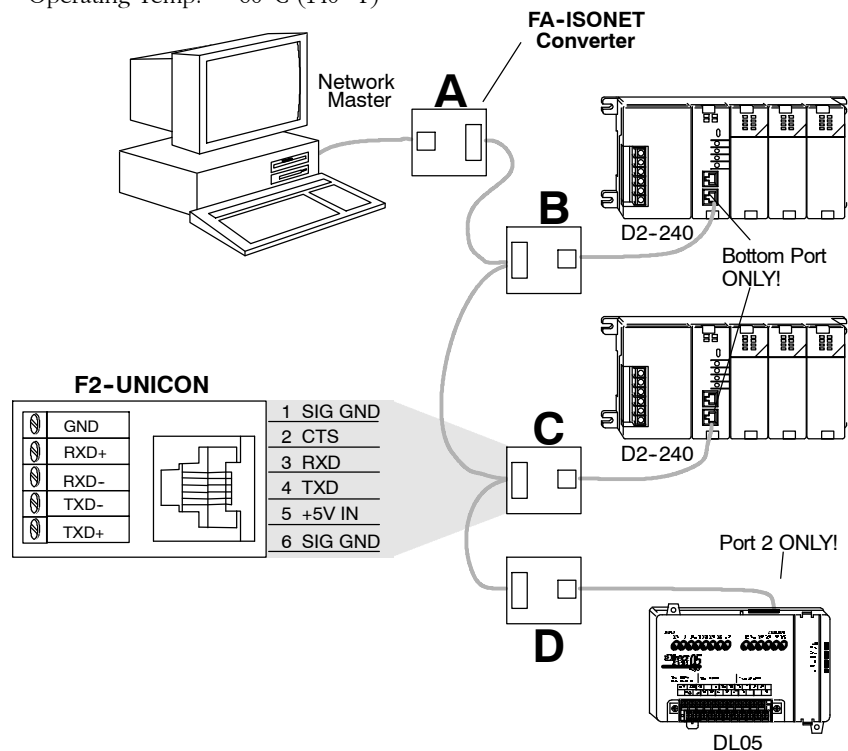
The F2-UNICON comes with several items to make the installation and connections easier.

- ✓ RS-232/422/485 Converter circuit board
- ✓ Mounting assembly (including a DIN rail bracket) for the circuit board
- ✓ 1 modular cable with two RJ11 6P6C plugs

General specifications

Max. Network Dist.:	4000 feet
Max. Baud Rate:	19.2 Kbaud
Supply Voltage:	5VDC (from CPU)
Max. Driver Load:	62 ohms
Driver Voltage:	±1.5V minimum
No Load Current:	65mA
Max. Current:	100mA
Operating Temp:	60°C (140° F)

- A) FA-ISONET converts the network master's (computer) RS-232C communications card signal levels to RS-422/485, which is suitable for a multi-drop network.
- B) F2-UNICON converts the RS-422/485 signal levels back to RS-232C for a connection to the D2-240 CPU bottom port.
- C) F2-UNICON converts the RS-422/485 signal levels back to RS-232C for a connection to the D2-240 CPU bottom port.
- D) F2-UNICON converts the RS-422/485 signal levels back to RS-232C for a connection to the DL05 port 2.



Drawing not to scale

Phone jack allows you to use modular cable (included) to quickly connect the D2-240 to the F2-UNICON.

Wiring terminals make it easy to connect communications wiring, especially for multidrop configurations.