## **RS-232C Unit**

# **DRT1-232C2**

## Transfer Data to and from Barcode Readers and Other Peripheral Devices with an RS-232C Port

- Two built-in RS-232C ports with separate settings and controls.
- Send and receive data using explicit messages.
- Read and write for up to 151 bytes.



#### **Ordering Information**

Name	Number of allocated words	Model
RS-232C Unit (DeviceNet-compliant)	One input word as status area	DRT1-232C2

#### **General Specifications**

Communications power supply voltage	11 to 25 VDC
Internal circuit power supply voltage	20.4 to 26.4 VDC (24 VDC -15%/+10%)
Current consumption	Communications power supply: 50 mA max. Internal circuit power supply: 100 mA max.
Insulation resistance	20 $\text{M}\Omega$ max. (at 100 VDC) between all DC power supply terminals and FG
Dielectric strength	500 VAC at 50/60 Hz for 1 min between all DC power supply terminals and FG with a leakage current of less than 1 mA
Noise immunity	Conforms to IEC61000-4-4, 2 kV (power line)
Vibration resistance	10 to 57.7 Hz, 0.75-mm single amplitude and 57.7 to 150 Hz at 98 m/s² acceleration
Shock resistance	Malfunction: 196 m/s² three times each in X, Y, and Z directions Destruction: 294 m/s² three times each in X, Y, and Z directions
Ambient operating temperature	-10°C to 55°C (with no icing or condensation)
Ambient storage temperature	-25°C to 65°C
Ambient storage humidity	25% to 85% (with no icing or condensation)
Ambient operating atmosphere	With no corrosive gas
Mounting method	M4 screw or 35-mm DIN track mounting
Mounting strength	100 N: 10 s 10 N in track direction: 10 s
Terminal strength	Pulling force: 100 N: 10 s
Weight	250 g max.

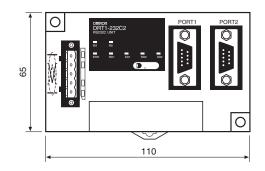
Dimensions	110 x 65 x 60 mm

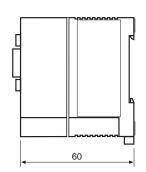
## **RS-232C Communications Specifications**

Communications method	Full duplex, start-stop synchronization communications control
Transmission distance	15 m max.
Baud rate	1,200/2,400/4,800/9,600/19,200 bps
Transmission code	ASCII (7 bits)
No. of ports	Even, odd, or none
Stop bit length	1 or 2 bits
No. of ports	2
Connector	9-pin D-sub connector (male) x 2 ports
Communications memory capacity	1,024 bytes x 2 ports
Header code	Enabled (1 byte)/Disabled (selectable)
Delimiter code	Enabled (1 byte)/Disabled (selectable)
Flow control	Enabled/Disabled (selectable) for RS/CS control only

### **Dimensions** (Unit: mm)

#### DRT1-232C2





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- Systems, machines, and equipment that could present a risk to life or property.

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