

RS-232C/RS-422A Adapter NT-AL001

The NT-AL001 converts signals between RS-232C and RS-422A.

Use the NT-AL001 to connect 1:N NT Link communications, to connect to multivendor communications, or anytime signal conversion is required.



Specifications

■ General Specifications

Item	Specification
Model number	NT-AL001
Ambient operating temperature	0 to 55°C
Ambient operating humidity	10% to 90% (with no condensation)
Rated power supply voltage	+5 V \pm 10% (supplied from pin 6 of RS-232C connector)
Rated power supply current	150 mA max.
Surge current	0.8 mA max.
Insulation resistance	20 M Ω min. (at 500 V DC) between RS-422A signal lines and functional ground terminal
Dielectric strength	1,500 V AC between RS-422A signal lines and functional ground terminal for 1 min, leakage current: 10 mA max.
Operating environment	No corrosive gases
Ambient storage temperature	-20 to 75°C
Vibration resistance	Conforms to JISC 0911, 80 min each in X, Y, and Z directions
Shock resistance	Conforms to JISC 0912, 15G for 3 times each in X, Y, and Z directions
Weight	200 g

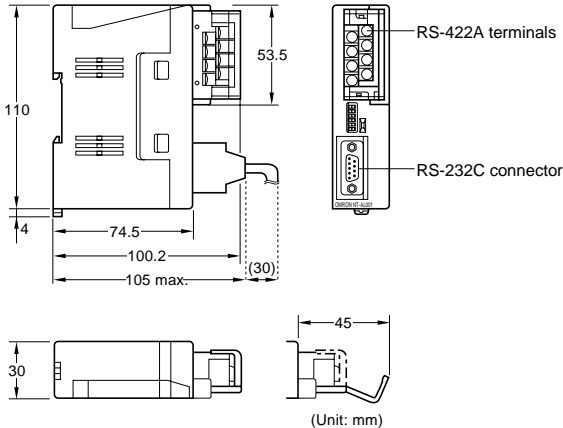
■ RS-232C Interface

Item	Specification
Baud rate	64 kbps max.
Transmission distance	2 m max.
Connector	D-Sub, 9-pin connector (female)

■ RS-422A Interface

Item	Specification
Baud rate	64 kbps max. (depends on RS-232C baud rate)
Transmission distance	500 m max.
Terminals	8-terminal removable terminal block, M3.0 terminals

Dimensions



30 x 114 x 100.2 mm (W x H x D) with RS-422A terminal cover removed.
30 x 114 x 119.5 mm (W x H x D) with RS-422A terminal cover in place.