

N3952 Series Contact Closure Converter

Infinova[®]
The Integrator's Manufacturer



4 C.C<> to D<>, 8 C.C<> to D<>

- **Surface mount technology**
- **Compatible with contact closure**
- **LED indicators for monitoring of system operating status**
- **Immune to EMI and RFI**
- **Dense structure for easy installation**
- **Hot swappable rack mount cards**
- **Automatic re-settable fuses, short circuit protection**
- **12 VDC or 24 VAC power supply**
- **Industry standard connectors**
- **No user adjustments required**

N3952 contact closure converter provides the ability to convert 4-ch bidirectional or 8-ch unidirectional contact closures to 1-ch RS-232 / RS-422 data. It can provide long distance transmission of 4-ch bidirectional or 8-ch unidirectional contact closures via working with other Fiber Optic that perform the function of data transmission.

Modular in design, the N3952 series can be rack-mounted or used as stand-alone module. Rack mounting requires the N3910 series subrack. Stand-alone module is accomplished with N3910-1S and can be placed on a desktop or mounted to a wall.

Technical specifications

Contact Closures

Number of Channels	4/8
Response Time	8ms (Active low)
Contact Current	1 A @ 30 VDC, 0.5 A @ 125 VAC

LED Indicators

Power On	Red
Data Activity	Green
CC Signal Activity	Green

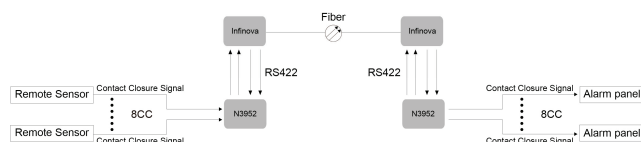
General Parameters

Operating Temperature	-40°F ~ 167°F (-40°C ~ 74°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0 ~ 95% RH (non-condensing)
Card Dimensions (W × H × D)	0.79" x 5.08" x 6.73" (20mm x 129mm x 171mm)
Module Dimensions (W × H × D)	0.94" x 6.22" x 7.87" (24mm x 158mm x 200mm)
Power Consumption	1.8W
Card Weight	0.80lbs. (0.36kg)
Module Weight	1.55lbs. (0.70kg)
Mean Time Between Failures	>100,000 Hrs

Certifications and Approval

Product Certifications	FCC, CE, ISO 9001:2008
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System diagram



Ordering information

Note: Factory default sets contact closure converting into RS-422 data. Please specify if it is needed to convert contact closure into RS-232 data.

N3952X-4-M	TRX, 4 Contact Closure IO, factory default set up RS-422 data, Module, 12VDC/24VAC
N3952X-4-R	TRX, 4 Contact Closure IO, factory default set up RS-422 data, Card, 1-Slot
N3952T-8-M	TX, 8 Contact Closure In, factory default set up RS-422 data, Module, 12VDC/24VAC
N3952T-8-R	TX, 8 Contact Closure In, factory default set up RS-422 data, Card, 1-Slot
N3952R-8-M	RX, 8 Contact Closure Out, factory default set up RS-422 data, Module, 12VDC/24VAC
N3952R-8-R	RX, 8 Contact Closure Out, factory default set up RS-422 data, Card, 1-Slot

Accessories

Power Supply

N3921-12D-1:	12 VDC (120 VAC), 10 VA
N3921-12D-2:	12 VDC (230 VAC), 10 VA
N3921-24A-1:	24 VAC (120 VAC), 20 VA
N3921-24A-2:	24 VAC (230 VAC), 20 VA

Applications

- Smart buildings
- Security and surveillance
- Intelligent transportation system
- Highway surveillance system
- Alarm system

Configurations

- Compact 1 slot module and 1 slot card unit
- 18 slots per 19" x 3U subrack; 100 W / 250 W power supply
- 15 slots per 19" x 3U subrack; 100 W / 250 W dual power supply