QX3440-8I-8O-C

DRY CONTACT INTERFACE CARD FOR QX3440

Features

- · Lighting Protection (IEC61850-3, IEEE1613)
- · Dry Contact Inputs
  - 8 pairs per card (2 ports per card, 4 pairs per port)
  - Connector: RJ45
  - Collect dry contact input signals and send alarm traps via SNMP port or inband to iNET EMS management system
  - Collect dry contact to be transferred via the E1 or fiber optic cable to a dry relay contact output

- · Dry Contact Outputs
  - 8 pairs per card
  - Connector: Screw
  - Enable dry contact output signals through instructions via SNMP port or inband to iNET EMS management system
  - Enable dry contact from the E1 or fiber cable to a dry relay contact output
  - Support Open/Short function
  - Support transparent and non-transparent relay modes

Dry Contact Type C

Description

CXR's Dry Contact type C is designed for the QX3440 series. This Dry Contact card, which can be assigned to 2 DS0 time slots or 16 DS0 time slots, are used for (1) collecting alarm inputs from non-SNMP devices and issuing alarms via an SNMP trap, (2) sending commands to close remote contacts for relay devices, and (3) repeat a remote contact closure with a local contact closure.

The Dry Contact card is used to detect remote contact closures activated by alarms and to provide remote contact closures to control network operation where needed.

When 2 DS0 time slots are chosen to carry the dry contact signals, 8 bits of one time slot carry the input contact status, and 8 bits of the other carry the output contact commands. When 16 DS0 time slots are chosen to carry the dry contact signals, one bit of each of 8 DS0 time slot carry the input contact status, and one bit of each of other 8 DS0 carry the output commands.

Ordering Information

To specify options, choose from the list below.
Note1: Units are RoHS compliant units.
Note2: Before purchasing, please check the QX3440 main brochure to see if the following models are supported by the controller to use with.

Model	Description	Notes
QX3440-8I-8O-C	8-channel dry contact type C plug-in card with maximum voltage 100 Vdc or 250 Vac	

Dry Contact C Card for QX3440 Specifications
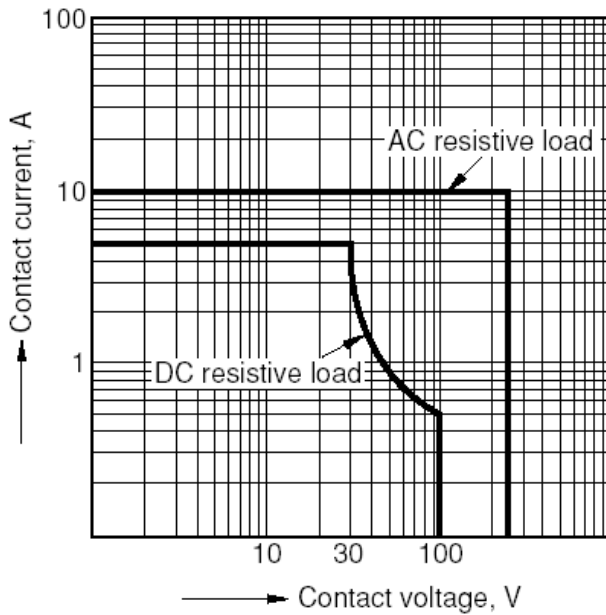
Dry Contact Type C Interface Card

Inputs -

8-channel	2-port per card, 4-pair per port
Connector	RJ45
Internal Resistance	1 K
Activation Current	3 ma
Deactivation Current	1.5 ma
Allowable Current	4 ma
Input port	Provide 3.3V output
Latency (from input to output)	10ms

Outputs -

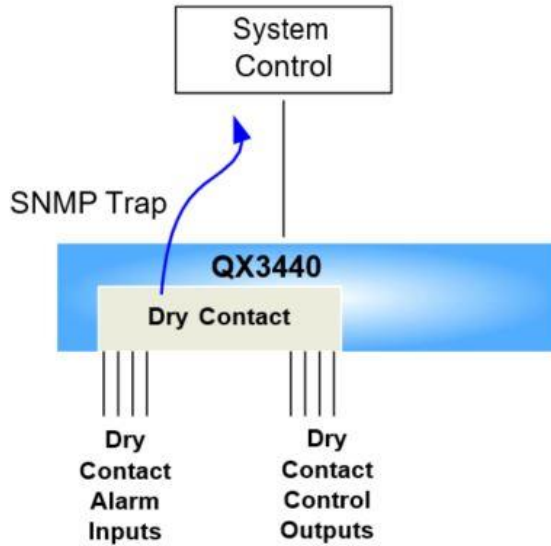|	
8-channel	8-pair per card
Connector	Screw type
Initial Insulation Resistance	Min. 100M ohm (at 500 Vdc)
Max. Current	5A
Max. Voltage	100 Vdc, 250 Vac
Short-circuit Current	5A

Current/voltage operation ratio for output Relay

CXR
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Smart Solutions for Smart Networks
Information contained in this document is not contractual. CXR improves its products continuously. Specifications may change without notice.
Rue de l'Ornette 28410 Abondant France
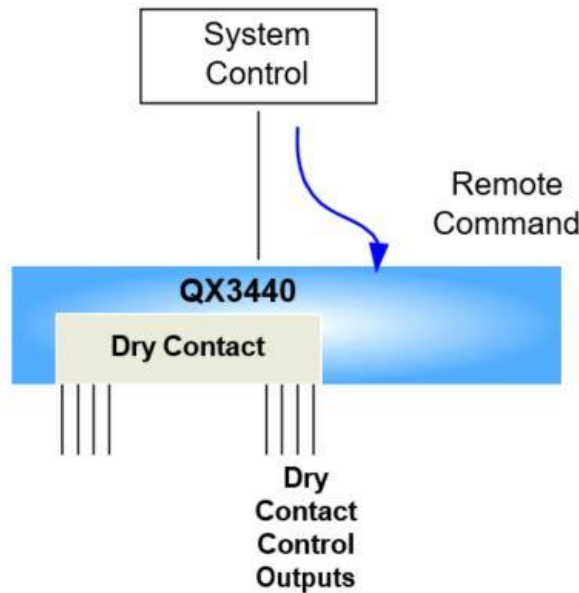contact @ cxr.com - www.cxr.com

Application Illustration

Dry Contact Input Application – SNMP Trap

When the alarm occurs, this is detected by the dry contact input. The dry contact card will send an alarm trap to Control Center via SNMP port for management.
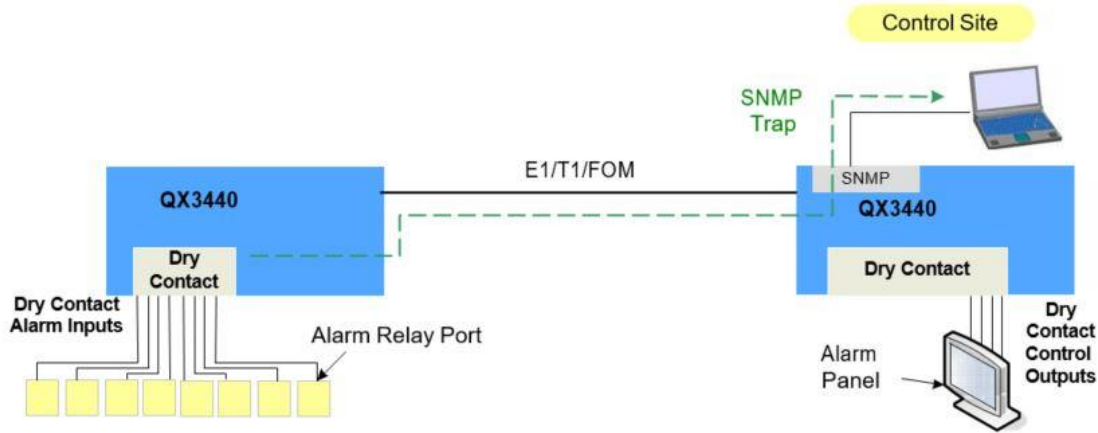

Dry Contact Output Application – Remote Contact Control

From the Control Center, any dry contact can be made to close by remote commands

Point to Point Application — Using both input and output dry contacts

Using one DS0 for alarm input and one DS0 for alarm output, and vice versa. When the alarm occurs, it will send an alarm trap via the SNMP port for management. Also, the dry contact inputs at the local site can be detected and transmitted to the dry contact outputs at the control site.

Point to Multi-Point Application

Using the 16 DS0 to carry the alarm input and alarm output (8 DS0 for input, 8 DS0 for output), and vice versa. When the any of the assigned alarms occurs, it will send an alarm trap via the SNMP port for management. From the central management center, all dry contact outputs can be controlled.