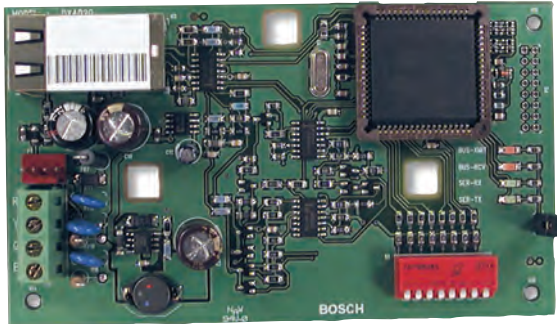


Conettix DX4020 Ethernet Network Interface Module

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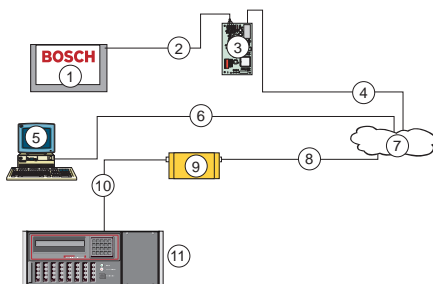
- ▶ Built-in IP-based alarm transport, programming, and control
- ▶ 10BASE-T or 100BASE-T network connection
- ▶ Full-duplex and half-duplex support
- ▶ Three-hole mounting pattern
- ▶ Support for dynamic or static IP addresses

The Conettix DX4020 Ethernet Network Interface Module creates two-way communications over Ethernet networks for compatible control panels.

Typical uses include:

- Reporting to the Conettix D6600 Communications Receiver/Gateway
- Remote administration with Remote Programming Software (RPS) or RPS-Lite
- Connecting to a PC for programming with PC9000 Software or Building Integration System (BIS) Security Engine

System overview



1. Compatible Control Panel
2. Compatible Control Panel Option Bus or SDI Bus Connection
3. Conettix DX4020 Ethernet Network Interface Module
4. Ethernet Network Connection to DX4020
5. Host PC running Conettix D6200 Programming/Administration Software
6. Ethernet Network Connection to Host PC Ethernet Network Interface Card (NIC)
7. Ethernet Network, Local Area Network (LAN), Metropolitan Area Network (MAN), Wide Area Network (WAN), or Internet
8. Ethernet Network Connection to Conettix D6682 Ethernet Network Adapter
9. Conettix D6682 Ethernet Network Adapter
10. Conettix D6682 Ethernet Network Adapter Connection to Conettix D6600 Communications Receiver/Gateway COM4 Port
11. Conettix D6600 Communications Receiver/Gateway

The system overview diagram shows a system using a compatible control panel, Conettix DX4020 Ethernet Network Interface Module, Conettix D6600 Communications Receiver/Gateway, and a Conettix D6682 Ethernet Network Adapter.

Functions

LEDs

Red LEDs

Function
BUS-RCV Data bus receives data from control panel

BUS-XMIT Data bus transmits data to control panel

Green LEDs

Function
SER-RX RS-232 receives data from serial device

SER-TX RS-232 transmits data to serial device

Four LEDs provide information about the transmission and receipt of data. There are also two network diagnostic LEDs that provide information about the network connection. Refer to the *DX4020 Installation Guide* (P/N 49522) for details about the network diagnostic LED functions.

DIP Switches

Use the DIP switches to easily assign a bus address to the DX4020.

Programmable IP Address

Use ARP and Telnet commands from any PC to program the DX4020 IP address. The IP address can be dynamic using DHCP or the IP address can be static.

Certifications and approvals

This product is designed to also comply with the requirements of:

France AFNOR NF, A2P Type 2 (122000076-05)

Notice

FM Approval applies when the DX4020 is used with the Conettix D6600 Communications Receiver/Gateway.

Region	Certification
Australia	RCM
Europe	CE 2004/108/EC EMC Directive (EMC); 2006/95/EC Low-Voltage Directive (LVD)
Belgium	INCERT B-509-0005
USA	UL AMCX: Central Station Alarm Units (UL1610, UL1635), AMCX7: Central Station Alarm Units Certified for Canada (cULus), APAW: Police Station Alarm Units (UL365, UL464), APAW7: Police Station Alarm Units Certified for Canada (cULus), APOU: Proprietary Alarm Units (UL1076), APOU7: Proprietary Alarm Units Certified for Canada (cULus),

Region	Certification
	NBSX7: Household Burglar Alarm System Units Certified for Canada (cULus), UTOU7: Control Units and Accessories - Household System Type Certified for Canada (cULus)
	UL UOXX: Control Unit Accessories, System (ANSI/UL 864)
	FM
	CSFM California State Fire Marshal (see our website)
	FDNY-CoA 6174
	FDNY-CoA 6059 [D9412GV3 & D7412GV3]
	FDNY-CoA 6173
	NYC-MEA 12-92-E, Vol. XIII and 12-92-E, Vol. 15
	NIST FIPS 197 Certificate No. 304
Canada	ULC AMCX7.S1871 - Central Station Alarm Units Certified for Canada
	ULC - Police Station Connected Burglar Alarm Units
	ULC APOU7.S1871 Proprietary Alarm Units Certified for Canada
	ULC ULC-ORD C1023 - Household Burglar Alarm System Units

Installation/configuration notes

Compatibility information

Applications

RPS:	Supported on all compatible control panels.
PC9000:	Supported on the following control panels: D9412G, D7412G, D7212G, D9112, D7412, and D7212.
Building Integration System (BIS) Security Engine:	Supported on the following SDI bus control panels (version 6.3 and higher): All G Series control panels
CMS 7000:	Supported on DS7400Xi-CHI Control Panels (option bus) set at Mode 18 (version 4.10 or higher).

SDI Bus Control Panels (version 6.3 or higher)

- All G Series control panels
- D9412, D7412, and D7212
- D9112

Option Bus Control Panels

- DS7400Xi (version 4.10 or higher)
- CC7420-A
- DS7220 and DS7240 (version 2.10 or higher)
- FPD-7024

Connection Considerations

The DX4020 uses a standard Category 3 or Category 5 cable with an RJ-45 plug to connect to the network, a two-wire connection from the control panel bus, and two wires that connect to the control panel or a power supply for DC power. For 10BASE-T, use Category 3 or better. For 100BASE-T, use Category 5 or better.

Mounting Considerations

The DX4020 mounts to the standard three-hole patterns in supported control panel enclosures. With the D137 mounting bracket, the DX4020 mounts to other enclosures.

Parts included

Quant.	Component
1	Ethernet network interface module
1	Cable assembly, quick connect
1	Hardware pack
1	Literature - Installation Guide

Technical specifications**Environmental Considerations**

Dimensions:	7.6 cm x 12.7 cm (3 in. x 5 in.)
Operating Temperature:	0°C to +50°C (+32°F to +122°F)
Relative Humidity:	5% to 85% at 30°C (86°F) non-condensing

Power Requirements

Current:	10Base-T: 110 mA maximum 100Base-T: 135 mA maximum
Voltage (Operating):	12 VDC nominal

Ordering information**Conettix DX4020 Ethernet Network Interface Module**

Creates two-way communications over Ethernet networks for compatible control panels.

Order number **DX4020**

Accessories**AE1 Standard Enclosure (Gray)**

Standard gray enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).

Order number **AE1**

AE2 Standard Enclosure (Red)

Standard red enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in. x 12.5 in. x 3 in.).

Order number **AE2**

AE4 Large Enclosure (Red)

Large red enclosure with keyed lock. Measures 52.7 cm x 38.1 cm x 10.8 cm (20.7 in. x 15 in. x 4.25 in.).

Order number **AE4**

D2203 Enclosure

Gray steel enclosure. Accepts an optional lock and tamper switch. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).

Order number **D2203**

D8103 Enclosure

Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.).

Order number **D8103**

D8109 Fire Enclosure

Red steel enclosure measuring 40.6 cm x 40.6 cm x 8.9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes a lock and key set.

Order number **D8109**

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