

Conettix D6100 Communications Receiver/Gateway

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Invented for life



- ▶ Two lines for public switched telephone network (PSTN) communications
- ▶ Two-way audio
- ▶ Connects to an automation system, programming software, and a printer
- ▶ Two programmable inputs and outputs
- ▶ Menu-driven keypad programming

The Conettix D6100 Communications Receiver/Gateway provides alarm communications over two PSTN lines. The D6100 has a compact, economical design that is well-suited for applications such as small central stations, gated communities, security offices, or university campuses. The D6100 uses the same firmware and supports the same major communication formats as the Conettix D6600 Communications Receiver/Gateway.

System overview

PSTN Communications Configuration

This configuration uses existing telephone lines. A control panel's signal transmits over a PSTN analog telephone line to the D6100. The D6100 translates the signal to a common data format and sends the signal through RS-232 to a central station automation system.

Conettix D6200 Programming/Administration Software

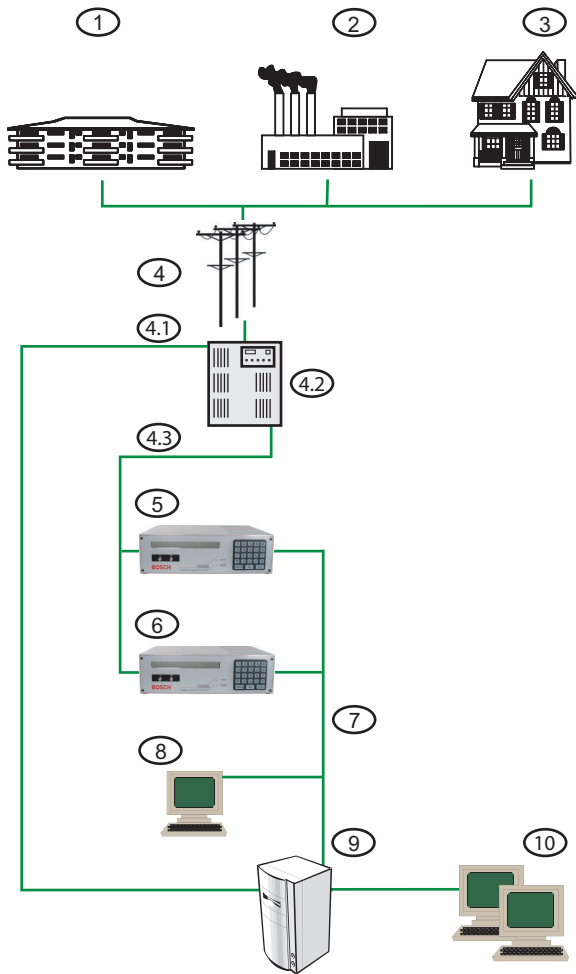
Conettix D6200 Programming/Administration Software is a PC-based application that allows users to view, change, upload, and download D6100 programming parameters through an RS-232 serial port. With the

Conettix D6200 Programming/Administration Software, users can edit programming parameters and view the status of the receiver.



Notice

Conettix D6200 Programming/Administration Software works with the following operating systems and associated service packs: Microsoft® Windows® 98, Windows 98 Second Edition, Windows Me, Windows NT®, Windows 2000, and Windows XP.



- 1. Access Control
- 2. Commercial Monitoring
- 3. Residential Monitoring
- 4. PSTN
 - 4.1 Two-way Audio
 - 4.2 Private Branch Exchange (PBX)
 - 4.3 Analog Telephone Lines
- 5. Conettix D6100 Communications Receiver/Gateway 1
- 6. Conettix D6100 Communications Receiver/Gateway N
- 7. RS-232
- 8. Conettix D6200 Programming/Administration Software
- 9. Automation System
- 10. Central Station Operators

Functions

Communication Formats

• Acron Superfast	• ROBOFON
• Ademco Slow	• Scantronics Scancom

• Ademco Express	• SERIEE FSK/DTMF
• Ademco High Speed	• SESCOA Super Speed
• Ademco Contact ID	• SIA 8/20/300
• CFSK BELL/V.21	• SIA ADT
• FBI Superfast	• SIA V.21
• Franklin/SESCOA	• Silent Knight Fast
• ITI	• Silent Knight FSK
• Radionics BFSK	• Standard Pulse Formats
• Radionics Hex	• Sur-Gard DTMF
• Radionics Modem II	• Telim
• Radionics Modem Ile/Illa ²	• Veritech FSK

PSTN Communications

Function	Benefit
Caller identification (Caller ID) alarm processing stores corresponding handshake formats. The processing automatically recalls the format when the same caller identification is processed.	Shortens the amount of time that calls are connected to the receiver. Decreases money spent on fixed hardware or monthly phone bills.

Additional PSTN Communication Advantages

- Receives signals on two telephone lines simultaneously.
- Independent, configurable communication format settings for each telephone line.
- Visual front panel light emitting diode (LED) indicators for on-line and line-fault status conditions.

Two-way Audio

- Able to transfer calls to another line or extension
- Activated by account numbers and by events

Flash Technology

Using the Conettix D6200 Programming/Administration Software, flash technology in the D6100 allows for software upgrades without additional hardware or firmware changes.

Certifications and approvals

Australia Austel Approved

Region	Certification
Europe	CE 1999/5/EC, EN55022 (Class B): 1994 +A1: 1995 +A2: 1997, EN50130-4: 1995 +A1: 1998 +A2: 2003, EN60950-1: 2001, EN61000-3-2: 2000, EN61000-3-3: 1995 +A1: 2001, ETSI TS 103 021
USA	FCC ESVAL04BD6100
Canada	IC 1249A-D6100

Installation/configuration notes

The D6100 and Monitoring Centers

The D6100 has extended edges so that installers can mount it easily into a standard 48.3 cm (19 in.) rack cabinet. Rack cabinets conserve floor space.

Notice

Rack cabinets are sold separately by a variety of manufacturers.

The D6100 connects directly to automation computers. Users can use the automation system or the D6100 keypad to acknowledge events. There is up to a 1000 event history buffer.

Parts included

Quantity	Component
1	Conettix D6100 Communications Receiver/Gateway
1	P6602 Input and Output Cable
1	Conettix D6200CD CD-ROM
1	External Battery Connection

Technical specifications

Automation Outputs

Automation Outputs:	SIA mode 6500 mode
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Enclosure

Rack Mount Dimensions (2U):	9.0 cm. x 37.5 cm x 25.5 cm (3.5 in. x 19 in. x 10 in.)
Standalone Dimensions:	9.0 cm. x 30.5 cm. x 25.5 cm (3.5 in. x 12 in. x 10 in.)
Weight :	3 kg (7 lb)

Environmental Considerations

Temperature (Operating):	0°C to 50°C (+32°F to +122°F)
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Power Requirements

AC Nominal Operating Range:	18 VAC ± 15% with 50 VA transformer
Standby Power:	Uninterruptible power supply (UPS) containing a sealed lead-acid battery, 12 V, 7 Ah to 18 Ah

Current Requirements

Battery Current:	330 mA
UPS AC Standby Current:	180 mA

Telephone

Telephone:	RJ11C modular jacks, with 26 AWG or larger wire diameter
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Ringer Equivalence Number (REN)

REN:	0.4 B
Industry Canada (IC) REN:	0.2

Display

Screen Dimensions:	1.8 cm x 15.2 cm (0.7 in. x 6.0 in.) dot matrix LCD, 5 x 7 dots per character. Shows two separate lines, 40 characters per line.
Indicators:	LED display section indicates receiver status and power.

Inputs and Outputs

For Automation Computer Connection:	One RS-232 interface port COM3
For External Serial Printer, PC, Modem, or Network Connection:	One RS-232 interface port COM4
For Parallel Printer Connection:	One parallel printer port
Number of Programmable Inputs:	Two (wire harness included)
Number of Programmable Outputs:	Two (wire harness included)

Trademarks

Microsoft®, Windows®, and Windows NT® are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Countries:	D6100-01 Kit
Bahamas	<ul style="list-style-type: none"> One 120 VAC transformer Blade-style plug One Conettix D6100 Communications Receiver/Gateway
Bermuda	
Canada	
Costa Rica	
Colombia	
Dominican Republic	
Guatemala	
Haiti	
Honduras	
Mexico	
Panama	
Puerto Rico	
Taiwan	
USA	

Countries:	D6100-02 Kit
Albania	<ul style="list-style-type: none"> • One 230 VAC transformer • Round pin-style plug • One Conettix D6100 Communications Receiver/Gateway
Angola	
Austria	
Belgium	
Brazil	
Bulgaria	
Chile	
Croatia	
Germany	
Greece	
Greenland	
Guinea	
Denmark	
Finland	
France	

Countries:	D6100-02 Kit (Continued)
Hungary	<ul style="list-style-type: none"> • One 230 VAC transformer • Round pin-style plug • One Conettix D6100 Communications Receiver/Gateway
Iceland	
India	
Indonesia	
Iran	
Iraq	
Israel	
Italy	
Kuwait	
Luxembourg	
Malaysia	
Mongolia	
Netherlands	

Countries:	D6100-02 Kit (Continued)
Norway	<ul style="list-style-type: none"> • One 230 VAC transformer • Round pin-style plug • One Conettix D6100 Communications Receiver/Gateway
Pakistan	
Poland	
Portugal	
Romania	
Russian Federation	
Singapore	

Spain	
South Korea	
Sweden	
Switzerland	
Thailand	

Countries:	D6100-03 Kit
China	<ul style="list-style-type: none"> • 120 VAC transformer • Blade-style plug transformer • One Conettix D6100 Communications Receiver/Gateway
Republic of the Philippines	
Saudi Arabia	

Countries:	D6100-04 Kit
Argentina	<ul style="list-style-type: none"> • 240 VAC transformer • Inverted V-style plug • One Conettix D6100 Communications Receiver/Gateway
Australia	
New Zealand	

Countries:	D6100-05 Kit
Cyprus	<ul style="list-style-type: none"> • 240 VAC transformer • Rectangle-style plug • One Conettix D6100 Communications Receiver/Gateway
Falkland Islands	
Gambia	
Grenada	
Kenya	
Ireland	
United Kingdom	
Uganda	

Ordering information

Conettix D6100i Kit (120 VAC)

Includes one D6100IPv6, one transformer 120 VAC, and one blade-style plug. For use in Colombia, Dominican Republic, Guatemala, Haiti, Honduras, Panama, Taiwan, Bahamas, Bermuda, Canada, Costa Rica, Puerto Rico, Mexico, and the United States. Order number **D6100i-01**

Conettix D6100i Kit (230 VAC)

Includes one D6100IPv6, one transformer 230 VAC, and one round pin-style plug. For use in Albania, Angola, Chile, Greece, Greenland, Guinea, Iceland, Luxembourg, Russian Federation, South Korea, Thailand, United Arab Emirates, Yugoslavia, Austria, Austria, Belgium, Bulgaria, Croatia, Denmark, Finland, France, Germany, Hungary, India, Indonesia, Iran, Iraq, Israel, Italy, Mongolia, Netherlands, Norway, Pakistan, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Kuwait, and Malaysia. Order number **D6100i-02**

Conettix D6100i Kit (220 VAC)

Includes one D6100IPv6, one transformer 220 VAC, and one blade-style plug. For use in China, Republic of the Phillipines, and Saudi Arabia.

Order number **D6100-03**

Conettix D6100i Kit (240 VAC)

Includes one D6100IPv6, one transformer 240 VAC, and one inverted V-style plug. For use in Australia, Argentina, and New Zealand.

Order number **D6100i-04**

Conettix D6100i Kit (240 VAC)

Includes one D6100IPv6, one transformer 240 VAC, and one rectangle-style plug. For use in Gambia, Ireland, United Kingdom, Cyprus, Falkland Islands, Grenada, Kenya, and Uganda.

Order number **D6100i-05**

Accessories

P6602 Input and Output Cable

Connects to the receiver and provides use of the input and output lines.

Order number **P6602**

Conettix D6100 Rack Mount Kit

Standard rack mount kit measuring 48.3 cm (19 in.).

Order number **D6100RMK**

Software Options

Conettix D6200CD CD-ROM

Provides software for programming, operating, simulating, and demonstrations. Includes PDF documentation files for hardware and software relating to the Conettix Communications Receiver/Gateway.

Order number **D6200CD**

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