

2000 Series Control/Communicators w/UPLINK™ Interface

Specifications

Standard Features

- Full Data interface to UPLINK™ Model 1600 Cellular/Cellemetry™ Radio Transceiver (D2412UE & D2412U)
- 8 on-board hardwired sensor loops (6 for D2412UE and D2412U)
- 3 software points
- Expandable to 24 points with hardwire and wireless point expansion modules (D2212B & D2412U)
- Radionics Modem IIIa² Communications Format, 4x2 Pulse Communications Format available with D2212B and D2212BE
- Powered, resettable sensor loop for 2-wire smoke or glass break detectors
- Alarm Verification for fire point
- 8 user passcodes with user ID reporting
- Point bypassing
- Alarm Memory
- 1.35-amps, alarm power @ 12 VDC †
- .5-amp, auxiliary power @ 12 VDC † (D2212BE & D2412UE)
- 1-amp, auxiliary power @ 12 VDC † (D2212B & D2412U)
- Battery charging circuit and voltage supervision
- Protection for all power circuits
- Power limited external circuits
- Lightning and EMI protection
- Programmable locally at Keypad, with D5200 Programmer or Remote Account Manager (RAM).
- Remote Account Manager provides remote programming, diagnostics, and control
- Two telephone numbers for event reporting
- Automatic test reports
- Keyswitch arming capability with outputs available for LEDs
- Radionics' Easikey access control disarming capability

Programmable Features

- Alarm output
- Alarm output timer
- Entry and exit delay times
- Delay of alarm reports
- "Step Outside" function provides simple bypass and restoral of entry points
- "Exit Only" function provides ability to leave through an exit door without turning the system off
- One-time passcodes
- Two programmable on-board relay outputs (Optional relays required)
- Flexible report routing



D2212B / D2412U Enclosure shown

Listings and Approvals

- Underwriters Laboratories
- Household Fire Warning 985
- Burglary: 1023 Household, 365 Police, 609 Local, 1076 Proprietary, 1610 Central Station
- CSFM, Control Units (Household)

Description

2000 Series Control/Communicators are specifically designed to provide a full data interface to an UPLINK™ Radio Transceiver (D2412UE, D2412U only). Routing of different events by group (i.e., alarm, trouble, restoral, opening, closing, test, etc.) are programmable. The systems use Radionics' Modem IIIa² communications format to central station over both UPLINK and telephone networks. Systems supervise all internal functions, external circuits and display system information at keypads. The D2212B and D2212BE include the 4x2 Pulse Format as a second communications option for telephone networks. To help prevent false alarms, alarm reports to central station can be delayed.

Hardwired and Wireless Point Expansion

D2212B & D2412U can be expanded up to 24 points using any combination of hardwired points and/or wireless sensors. D208 expander supports up to eight hardwired points. D222A LCD keypad/expander supports up to four hardwired points. D208RF Expander supports up to eight wireless sensors. D216RF Expander supports up to sixteen wireless sensors. Any combination of above expanders (4 maximum) can be used.

† See Electrical Specifications

System Keypads

2000 Series on-premises system, user and point status annunciation is provided through system keypad. Any combination of up to eight D202A, D220A, D222A or D223A keypads are supported.*

D202A's user friendly interface features a 13-LED display. Display shows system, user and point status. Innovative orientation of LED's, keys and point descriptions on keypad make system operation intuitive.

D222A and D223A user friendly interface features a 2-line, 32 character alphanumeric display. This easily readable display shows system, user, and point status.

Most users can operate the system with confidence after only a few minutes of instruction. Need for extensive training sessions is eliminated.

Combined with proper installation, text keypad's simplify user interface and help reduce false alarms often associated with new systems and new users.

* You may need an external power supply when multiple keypads are used. D2212BE & D2412UE do not use point expansion included with D222A.

User Passcodes

2000 Series can program up to eight individual passcodes. Passcodes can be 3 to 6 digits in length with no fixed digits. Passcodes can be programmed to activate a relay output when entered at the keypad. You can program user ID's to transmit for each passcode.

There are three passcode types allowing you to restrict access to certain system functions by user.

Expanded Modem IIIa² Reporting

2000 Series uses Modem IIIa² communications format, available with Radionics' D6500 or D6600 Receiver, adding many reporting capabilities such as: actual point number, actual user number, bypassed points, and opening/closing reports by up to 8 users.

2000 Series Electrical Specifications Voltage Input

Primary:	16.5 VAC, 25 VA class 2 plug-in transformer (D2212BE, D2412UE) 16.5 VAC, 40 VA class 2 plug-in transformer (D2212B, D2412U)
Secondary:	12 V, 4 Ah rechargeable battery, 12 V, 7 Ah rechargeable battery, or (D2212B, D2412U): 12 V, 17.2 Ah rechargeable battery.

Continuous Power Output

.5-amp maximum @ 10.2 to 13.9 VDC (D2212BE, D2412UE)

1-amp maximum @ 10.2 to 13.9 VDC (D2212B, D2412U)

Alarm Power Output

1.35-amp maximum at 10.2 to 13.9 VDC supplied on alarm. Output pattern may be Steady or Pulsed.

† To comply with UL 985 and UL 864 for fire alarm installations, continuous power output is limited to 140 mA. The total power output during alarm conditions must be limited to 860 mA provided by the primary power supply (rectified AC).

Ordering Information

D101	Lock and Key set
D126	Battery, 12 V, 7Ah
D133	Relay Module, Single
D134	Relay Module, Dual
D135A	Low Battery Cutoff Module
D160	7' single Modular Phone Cord for connection to RJ31X or RJ38X
D202A	Arming Station featuring vertically oriented LED display
D208	Hardwire expander 8 points with enclosure
D208LC	Hardwire expander 8 points without enclosure
D208RF	RF Receiver / Expander 8 points
D216RF	RF Receiver / Expander 16 point
D220A	Arming Station featuring horizontally oriented LED display
D222A	Arming Station featuring LCD display with 4 expansion points
D223A	Arming Station featuring LCD display
L222/223	D222A/D223A Specification Sheet (100/pkg)
D250	Base for use with D254 or D255
D254	135° Fixed Point Thermostat
D255	190° Fixed Point Thermostat
D261A	6 in. (.15 m) base for use with D262
D262	Smoke Detector
D440	6 in. (.15 m) 12 VDC Bell
D442	10 in. (.25 m) 12 VDC Bell
D448	12 VDC Horn
D1218	Battery, 12 V, 17.2 Ah
D1240	Battery, 12 V, 4 Ah
D1625	Transformer for D2212BE, D2412UE
D1640	Transformer for D2212B, D2412U
D2212BE/D2412UE	Control/Communicator, D2803 Enclosure, D1625 Transformer
D2212B/D2412U	Control/Communicator, D2203 Enclosure, D1640 Transformer

D2212BM, D2212BEM, D2412UM, D2412UEM

Control/Communicator with Mounting Skirt for installation in the D8103, D8108A or D8109 Enclosure. Transformer is ordered separately.

D5200 Programmer for on-site programming of 2000 Series and other Radionics products.

D5300 Remote Account Manager II (RAM II) Provides remote programming, control, and diagnostics for 2000 Series and other Radionics products.

UPLINK™ is a registered trademark of UPLINK Security, Inc.
CELLEMETRYSM is a registered service mark of Cellemtry L.L.C.



CERTIFICATE NO. A5137