D2012U Control/Communicator with UPLINK™ Interface Specifications Sheet

Radionics™

Standard Features

- Full Data interface to UPLINK™ Model 1600 Cellular/Cellemetry℠ Radio Transceiver
- 6 on-board hardwired sensor loops, 3 software points
- Radionics' Modem IIIa[2]™ Communications Format
- Powered, resettable sensor loop for 2-wire smoke or glass break detectors
- Alarm Verification for fire points
- 8 user passcodes with user ID reporting
- Point bypassing
- Alarm Memory
- 12 VDC, 500 mA Auxiliary Power †
- 12 VDC, 1.35 Amps Alarm Power †
- Battery charging circuit and voltage supervision
- Protection for all power circuits
- Power limited external circuits
- Lightning and EMI protection
- Programmable locally at the Keypad or with the 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
- Ability to leave through an exit delay door without turning system off with the "Exit Only" function
- Onetime Passcodes
- Two programmable on-board relay outputs (Optional relays required)
- Flexible report routing

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

The Radionics D2012U Control/Communicator is specifically designed to provide a full data interface to an UPLINK™ Radio Transceiver. Routing of different events by group (i.e., alarm, trouble, restoral, opening , closing, test, etc.) is programmable. The D2012U uses the Modem IIIa[2]™ communications format to the central station over both the UPLINK and telephone networks. The D2012U supervises all internal functions and external circuits, and displays system information at keypads. To help prevent false alarms, alarm reports to the central station can be delayed.

System Keypads

On-premises point and system status annunciation is provided through the Keypad. The D2012U supports any combination of up to eight D202A, D220A, D222, or D223 Keypads.*

The D202A's user friendly interface features a 13 LED display. The display shows system, user, and point status. The innovative orientation of the LED's, keys, and point descriptions on the keypad makes the system operation intuitive.

Note: Enclosure shown with optional lock and key set.

System Keypads (Cont'd)

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

The D222 and D223 feature a 2-line, 32 character alphanumeric display. This easily readable display shows system, user, and point status.

Combined with proper installation, the D202A, D220A, D222, and D223 simplified user interfaces can help reduce false alarms often associated with new systems and new users.

* The D2012U does not use the point of expansion included with the D222.

* You may need an external power supply when multiple keypads are used.

User Passcodes

You can program the D2012U with up to 8 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 the D2012U to transmit user ID's for each passcode.

There are three passcode types. The three types allow you to restrict access to certain system functions.

Expanded Modem IIIa$_2$™ Reporting

The Modem IIIa[2]™ communications format, available with the Radionics D6500 Receiver and the D2012U, adds many reporting capabilities such as: actual point number, actual user number, bypassed points, and opening/closing reports by up to 8 users.

D2012U Electrical Specifications
Voltage Input

Primary: 16.5 VAC, 25 VA class 2 plug-in transformer

Secondary: 12 VDC 4.0 Ah rechargeable battery

or

12 VDC 7.0 Ah rechargeable battery

Continuous Power Output

500 mA maximum @ 10.2 to 13.9 VDC

Alarm Power Output

1.35 Amps 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 & Key set
D126	12V, 7Ah Battery
D133	Relay Module
D134	Dual Relay Module
D135A	Low Battery Cutoff Module
D164	7' single Modular Phone Cord for connection to RJ31X or RJ38X
D202A	Arming Station featuring vertically oriented LED display
D220A	Arming Station featuring horizontal oriented LED display
D222/D223	Arming Station featuring LCD display
D250	Base for use with D254 or D255
D254	135° Fixed Point Thermostat
D255	190° Fixed Point Thermostat
D261A	6" base for use with D262
D262	Smoke Detector
D440	6" 12 VDC Bell
D442	10" 12 VDC Bell
D448	12 VDC Horn
D1240	12V, 4Ah Battery
D1625	Transformer for the D2012U
D2012U	Control/Communicator
	• D2012 Control/Communicator
	• D2803 Enclosure
	• D1625 Transformer
D2012M	Control/Communicator with Mounting Skirt for D2012U installation in the D8103, D8108A or D8109 Enclosure. Transformer is ordered separately.
D5200	Programmer for on-site programming of D2012U and other Radionics products.
D5300	Remote Account Manager II (RAM II) Provides remote programming, control, and diagnostics for the D2012U and other Radionics products.

ISO 9002