



### Standard Features

- 8 on-board hardwired sensor loops, 3 software points
- Radionics' Modem IIIa<sup>2</sup>™ Communications Format an 4 x 2 Pulse
- Powered, resettable sensor loop available for 2-wire smoke or glass break detectors
- Alarm Verification for fire point
- 8 user passcodes with user ID reporting
- Point bypassing
- Alarm Memory
- 12VDC, 350 mA Auxiliary Power †
- 12VDC, 1.5 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
- Remote programmer 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
- One-time Passcodes
- Two programmable on-board relay outputs (Optional relays required)



### Listing and Approvals

- Underwriters Laboratories
- Fire: 985, NFPA 74 Household
- Burglary: 1023 Household, 365 Police, 609 Local, 1076 Proprietary, 1610 Central Station
- CSFM

### Description

The Radionics D2112 Control/Communicator is an installation flexible alarm processing control panel. The D2112 supervises all internal functions and external circuits, reports its status to central station receivers, 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 D202 Keypad. The D2112 supports up to four D202 Keypads.

The D202'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.

† See Electrical Specifications

## 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.

Combined with proper installation, the D202's simplified user interface can help reduce false alarms often associated with new systems and new users.

The D2212 can also be used with the D220 LED Keypad.

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

## User Passcodes

You can program the D2112 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 D2112 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<sup>2</sup>™ Reporting

The Modem IIIa<sup>2</sup>™ communications format, available with the Radionics D6500 Receiver and the D2112, adds many reporting capabilities such as: actual point number, actual user number, bypassed points, and opening/closing reports by up to 8 users.

## D2112 Electrical Specifications Voltage Input

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

Secondary: 12 VDC 4.0 Ah rechargeable battery

12 VDC 7.0 Ah rechargeable battery

## Continuous Power Output

350 mA maximum @ 10.2 to 13.9 VDC

## Alarm Power Output

1.5 A 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

D126	12V, 7Ah Battery
D133	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
L202	D202 Specification Sheet, pack of 100
D220A	Arming Station featuring horizontally oriented LED Keypad
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 D2112M
D2112	Control/Communicator <ul style="list-style-type: none"><li>• D2112 Control/Communicator</li><li>• D2103 Enclosure</li><li>• D1625 Transformer</li></ul>
D2112M	Control/Communicator with Mounting Skirt for D2112 installation in the D8103, D8108A or D8109 Enclosure. Transformer is ordered separately.
D5200	Programmer for on-site programming of D2112 and other Radionics products.
D5300	Remote Account Manager II (RAM II) Provides remote programming, control, and diagnostics for the D2112 and other Radionics products.
D8103	Enclosure
D8108A	Attack Resistant Enclosure
D8109	Fire Enclosure
D8121A	Derived Channel S.T.U. non-UL
D8122	Derived Channel S.T.U. UL listed

ISO 9002



CERTIFICATE NO. 3946