



RadionicsTM

D2212 Control/Communicator Specifications Sheet

Standard Features

- Expandable to 24 points with hardwire and wireless point expansion modules
- 8 on-board hardwired sensor loops, 3 software points
- Radionics' Modem IIIa²TM Communications Format
- 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, 1000 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
- Ability to leave through an exit delay door without turning system off with the "Exit Only" function
- One-time Passcodes
- Two programmable on-board relay outputs (Optional relays required)
- Flexible report routing

[†] See Electrical Specifications



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 D2212 Control/Communicator is an installation flexible alarm processing control panel. The D2212 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.

Hardwired and Wireless Point Expansion

The D2212 system can be expanded to 24 points using any combination of hardwired points and wireless sensors. The D208RF Point Expander adds eight wireless points to the system. The D216RF Point Expander adds sixteen wireless points to the system. You can connect both a D208RF and D216RF for a 24 point wireless system.

System Keypads

On-premises point and system status annunciation is provided through the D222 or D223 Keypads. The D2212 supports up to eight D222 or D223 Keypads.

The D222 and D223 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. The need for extensive training sessions is eliminated.

Combined with proper installation, the D222's simplified user interface can help reduce false alarms often associated with new systems and new users.

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

User Passcodes

You can program the D2212 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 D2212 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 IIIa²™ Reporting

The Modem IIIa²™ communications format, available with the Radionics D6500 Receiver and the D2212, adds many reporting capabilities such as: actual point number, actual user number, bypassed points, and opening/closing reports by up to 8 users.

D2212 Electrical Specifications

Voltage Input

Primary: 16.5VAC, 40VA class 2 plug-in transformer

Secondary: 12 VDC 4.0 Ah rechargeable battery,
12 VDC 7.0 Ah rechargeable battery, or
12 VDC 17.2 Ah rechargeable battery.

Continuous Power Output

1000 mA maximum @ 10.2 to 13.9 VDC

Alarm Power Output

1.85 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 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
D220A	Arming Station featuring horizontally oriented LED display
D222	Arming Station featuring LCD display with 4 expansion points
D223	Arming Station featuring LCD display
L222	D222 Specification Sheet pack of 100
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
D1640	Transformer for the D2212
D2212	Control/Communicator
	<ul style="list-style-type: none">• D2212 Control/Communicator• D2203 Enclosure• D1640 Transformer
D2212M	Control/Communicator with Mounting Skirt for D2212B installation in the D8103, D8108A or D8109 Enclosure. Transformer is ordered separately.
D5200	Programmer for on-site programming of D2212 and other Radionics products.
D5300	Remote Account Manager II (RAM II) Provides remote programming, control, and diagnostics for the D2212 and other Radionics products.



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