

*Feb
1998*

*The
Communicator*



Radionics™

Radionics, Inc., 1800 Abbott Street, Salinas, CA • Phone: (408)757-8877 • www.radionicsinc.com

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Smoke Detectors Sound Off...

In accordance with NFPA 72 section 2-2.2.1, "In new construction, where more than one smoke detector is required by 2-2.1, detectors shall be arranged so that operation of any smoke detector causes the alarm in all smoke detectors within the

dwelling to sound," Radionics offers the D132A Smoke Detector Reversing Relay Module. This module allows the 2000 series (except D2112) to sound up to 10 smoke detectors (260 feet with 18 gauge wire) connected to Point 1 when a single detector on the loop goes into alarm. We recommend our D263THS 2-wire Smoke Detectors.

Installation and panel programming are as easy as 1-2-3! Please call our Technical Support Department if you have any questions at (800) 538-5807, and don't forget to order the D263THS today! For detailed information refer to the current smoke detector Technogram which is shipped with each panel.



New Octal Relay Module for the D7024

The D7035 is an Eight Relay Module for use with the D7024. The D7035 can be used to drive an 8 LED annunciator and can be remotod up to 1000 feet. This module has Form C dry contact outputs. The D7035 is UL listed and is available now.



- UPS Announces Rates Increase

- Meet our New Sales Representative...
Rick Freyvogel!

- Come meet all of us at the ISC West Cocktail reception! We are looking forward to meeting with all of you and discussing all the new exciting things we will have in-store for you this coming year!

UPS Announces Rates Increase

Many of you may already have heard that UPS is increasing their rates for domestic ground, selected air services, and UPS Hundredweight Service®. Rates for international services will not increase. Other carriers have announced similar increases.

While the price increases announced by UPS go into effect February 7, Radionics will not charge customers at the increased rate until April 20, 1997. We're very pleased to offer customers this lower rate for an additional two and a half months.

Shipping rates will change as follows:

UPS Ground Commercial deliveries will increase 3.6 percent.

UPS Next Day Air® (Red), UPS Next Day Air Saver® (Red), UPS 2nd Day Air® (Blue), and UPS 3 Day Select® (Orange), will increase an average of 3.3 percent.

Rates for UPS 2nd Day Air A.M.SM and the surcharge for UPS Next Day Air Early A.M.® will not change.

UPS Ground Hundredweight will increase 6.9 percent. Rates for UPS Next Day Air, UPS Next Day Air Saver, UPS 2nd Day Air, and UPS 3 Day Select Hundred weight will increase an average of 3.3 percent.

Rates for UPS 2nd Day Air A.M. Hundredweight will not change.

Radionics Welcomes New Regional Sales Manager

Rick Freyvogel is Radionics' newest Regional Sales Manager. He brings with him a wealth of experience gathered from over 25 years in the security industry. Radionics is extremely pleased to have Rick as part of the team. His territory includes: Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York zip codes 120-149, Central and Eastern Canada. Rick resides in New York state and can be reached at 914-356-4882. You can also leave him a voice mail at 800-538-5807 ext. 1608.

Viva Las Vegas and the ISC West Show!

If you haven't already done so, it's not too late to make plans to attend the ISC West Show in Las Vegas, March 24th - 26th. Be sure to come by the Detection Systems and Radionics booth, #1349, and see some of the best products offered for intrusion, fire, and access control. We will also be hosting a cocktail reception on Tuesday, March 24th, from 6:00 to 9:00 p.m. at the Las Vegas Hilton. If you plan to attend the cocktail reception, please call 800-538-5807, extension 1455, and leave a message with

Carole Kelley. Please provide your customer number and the names of those attending.



Join all of us in an evening of Food & Entertainment at the ISC West Show. We are eager to talk with you about the new and exciting programs we have in-store for 1998!

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Don't Strike Out with UL Listed Applications

For UL listed applications, you may be required to supervise the power that is supplied to the magnetic locks. Here are three different ways to accomplish the supervision.

The D130 Relay Module is an accessory module that can be used with all Radionics Control Panels. The relay module consists of a 12/24 volt relay with two sets of non-latching Form C contacts. Figure 1 illustrates the connections used to supervise the power to the magnetic lock. In this configuration, the door point will only see a trouble condition when the power is lost for reasons other than a valid card read or request-to-exit function. This trouble condition is representative of an issue with the power to the magnetic lock, but includes door held open (past the shunt time) and door forced open (intrusion).

The D275 End-of-Line Module is intended for use as a line supervision device in 4-wire fire detection circuits. It can also be used for this application of supervising the power to the magnetic lock. Refer to Figure 1 for connections.

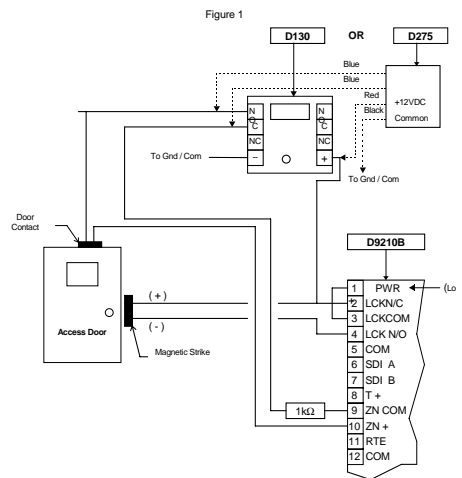
The D275 module will operate in the same manner as the D130 module.

The third option is from Securitron. They offer a product called Senstat that provides a lock status sensing signal which positively indicates that the door is secure.

Their "S" versions provide a voltage signal on a third wire which is on when the lock is powered and secure.

Their "C" versions provide an isolated contact closure on a 3rd and 4th wire when the magnet is flush against the strike. The "C" version does not directly monitor power to the lock. You can contact Securitron at (800) MAGLOCK for more information.

The D9210B can be used for door release functions. When used in this configuration, the strike relay contacts must be supervised. This can be accomplished with the use of the D130 relay. Connecting the D9210B for this application is also shown in Figure 1.



Program the Point Index of the door point in the RADXPNTS handler as a Type (24 hour Zone) and a Point Response (A) - Supervisory on Open and Trouble on Short.

The power supply, end-of-line relay (D130 or D275), and the D9210B must be in the same enclosure or adjacent enclosures connected via conduit not longer than 20 feet (Per UL 294).



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Built-In-Help Text Keypads - A Big Hit with Customers

D222 & D223 Text Keypads...

- The 2000 Series text keypads are your solution to the complaint that keypads are difficult to use, and will give you a one-up on your competition.



"I want a keypad that's easy to use." Haven't we all heard this statement before? The 2000 Series text keypads are your solution to the complaint that keypads are difficult to use, and will give you a one-up on your competition.

Besides turning their system On and Off, the function that users want to do most often is Bypass Points. Since this function is popular but not performed everyday, many customers find it hard to do. Let's show you how our built-in-help text keypads meet this challenge and help you win your next sale.

Your users may want to have a door or window open but still want the rest of their system to be turned on. If they turn their system on and there is a faulted point (a door or window open), they can either close that door or window, or bypass that point and turn the system on while that point (door or window) remains open. If a point becomes faulted (a door or window opens) after the exit delay has begun, they must either close that point (door or window), bypass it, or cancel the exit delay. If the system is allowed to turn on with a point faulted, an alarm will be generated.

Let's take a look at an example that shows what will happen when your users want their system on, but also want to keep a bedroom window open (want to bypass a point).

1. Press the 9 or 0 key to turn the system All or Part On.
2. If a point is faulted (a door or window is open), the error tone sounds and the following display is shown for three seconds:



POINTS FAULTED

If a point becomes faulted after exit delay has begun, the display shows the following:



POINTS FAULTED
SEC TO EXIT!

3. The keypad display will then show you which point (door or window) is faulted (open) - in this example, point 5, followed by instructions for bypassing the point:



POINT 5 FAULTED
BEDROOM WINDOW



PRESS 5 * TO
BYPASS PT 5

Continued on Page 6

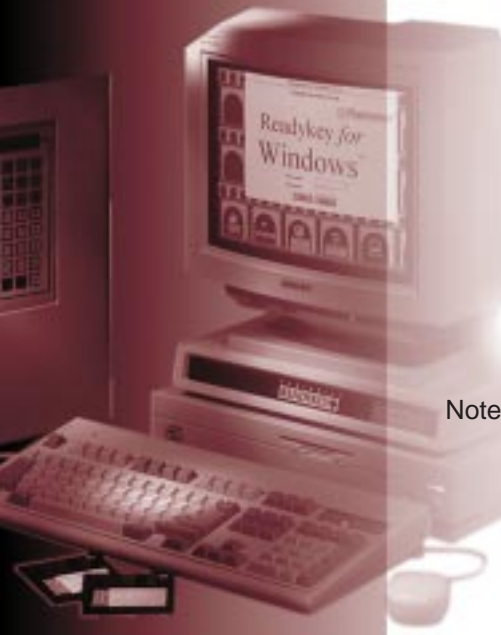
ACCESS CONTROL Product Compatibility Made Easy

We realize that the convenience of an extensive product line can turn into confusion if compatibility information isn't presented in an easy-to-use format. We're offering this chart to make it easy for you to tell which readers work with which electronic credentials.

- Access Control Chart... We're offering this chart to make it easy for you to tell which readers work with which electronic credentials.

READERS	USED WITH; OUTPUT	Keys/Cards (Electronic Credentials)														
		ASC121T -25 (Pkg. 25)	AVC132-25 (Pkg. 25)	D8230-25 (Pkg. 25)	D8231-10 (Pkg. 10)	D8232-10 (Pkg. 10)	D8236-10 (Pkg. 10)	D8238-10 (Pkg. 10)	D8239-10 (Pkg. 10)	D8240-25 (Pkg. 25)	D8241-10 (Pkg. 10)	EK71-10 (Pkg. 10)	K2010-10 (Pkg. 10)	K2011A, B, M, and W-10		
D8201(W)	D7412/D9412, D8112A; Wiegand							X				X	X	X		
D8203(W)	D7412/D9412, D8112A; Wiegand							X				X	X	X		
D8221	D7412/D9412, D8112A; Wiegand			X						X						
D8222	D7412/D9412, D8112A; Wiegand					X										
D8223	D7412/D9412, D8112A; Wiegand						X									
D8224	D7412/D9412, D8112A; Wiegand						X									
D8227	D7412/D9412, D8112A; Wiegand								X							
D8229	D7412/D9412, D8112A; Wiegand			X												
Keypad	D8112A; Wiegand															
ASR-110 (Motorola)	D7412/D9412, D8112A; Wiegand	X														
ASR-500 (Motorola)	D7412/D9412, D8112A; Wiegand	X	X													
ASR-503 (Motorola)	D7412/D9412, D8112A; Wiegand	X	X													
ASR-505 (Motorola)	D7412/D9412, D8112A; Wiegand	X	X													
WP612 (W or B) (Dorado)	D7412/D9412, D8112A; Wiegand															
WP644 (W or B) (Dorado)	D7412/D9412, RK, D8112A; Wiegand			X					X							
EK15 (W)	Easkey Only												X	X		
EK20	Easkey Only												X	X		
EK25	Easkey Only												X	X		
K2001(W)	Readykey Only												X	X		
K2001-P	Readykey Only												X	X		
K2002	Readykey Only												X	X		
K2003 (W)	Readykey Only												X	X		
K2025	Readykey Only												X	X		

Note: Readers compatible with the D7412/D9412 interface using the D9210B Door Controller.
 Readers compatible with the D8112A interface using the D8210 Module.
 All Readers with a Wiegand 2601 output can be used with Readykey products using the K2012 Interface.
 Readykey products, part numbers beginning with 'K', are ONLY available to authorized Readykey dealers.



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- Built-In-Help Text Keypads - A Big Hit with Customers

Built-In-Help Text Keypads - A Big Hit with Customers (Cont'd from page 4)

4. Press the key for the point you want to bypass and then the ★ key. In this example, you would press 5 ★. The keypad display will then show you that you've successfully bypassed the point.



PT 5 BYPASSED
BEDROOM WINDOW

5. If there are other faulted points, they will be displayed in turn. If there are no more faulted points, exit delay begins. The display shows that the system is being turned on with a bypassed point:



30 SEC TO EXIT!
1 PTS BYPASSED

6. If you bypass a point in error, press CLEAR and start over at step 1.

7. Turning the system off clears all bypassed points.

2000 Series Demo Kit - Exceptional Sales Tool!

Another way to increase your sales is to make good use of the 2000 Series Demo Kit. It is an exceptional sales tool that works with all of the 2000 Series systems, with any keypad attached. SHOW your customers how the built-in-help text keypads guide them when using their systems, by demonstrating the keypad in front of them. No sales pitch is more powerful than an

interactive one. Don't forget to mention the text keypad is even compatible with our entry level panel - the D2012U. Whether a customer purchases a D2012U or a D2412U, the text keypad will be available. The Demo Kit really is a remarkable sales aid - use it to your advantage.

NOTE TO INSTALLERS

Because a D208RF or D216RF can be connected to this Demo Kit, it is a marvelous tool for testing optimum locations (along a possible 500 ft. monobus) of RF receiver units before any wire is pulled or any holes are knocked into customers' walls.

So ask yourselves, do your customers want easy-to-use keypads? Do your customers want cost-effective systems? Do your customers deserve to be satisfied? Your answer to all of these questions should be, "You bet!" And you can deliver. Sell the benefits of the 2000 Series text keypads by using the Demo Kit and go win those sales!!

Note: The D2112 is not compatible with text keypads.

NOTE TO INSTALLERS:

Because a D208RF or D216RF can be connected to this Demo Kit, it is a marvelous tool for testing optimum locations (along a possible 500 ft. monobus) of RF receiver units before any wire is pulled or any holes are knocked into customers' walls.



Product: D7024 Fire Control / Communicator
Effects: Zone 63 Non-silenced outputs Software Correction
Date: 2/2/98
Technogram No. 1998-01



D7024 Control/Communicator software versions 1.02 or earlier allowed Zone 63 to be silenced. This zone is described in the manual as being "non-silencing". A new software version 1.03 has been released to make Zone 63 "non-silencing" as described in the manual. In addition, Zone 52, a non-silencing general fire alarm, has been added.

New Software available: Radionics recommends that you obtain the new D7024 Version 1.03 software to correct this problem if you use this software feature. Please call Radionics Order Processing (1-800-538-5807) and request the Update Kit P/N R09-USA. This update kit will be supplied to you at no charge.

Note: This Technogram will be sent to all dealers who have purchased the D7024 Control / Communicator.

The D5200 Programmer Handlers Update Chart

Radionics allows you to update your D5200 Programmer Handlers / 24 hours day. Here is an updated matrix of the available Handlers with the size, download times and phone numbers. Please watch for any future Handler updates in our monthly newsletter.

Handler Request Name	Revision	Handler Size in KB	Help Size in KB	Total Handler Size KB	Request Time w/o Help	Request Time w/Help	(408) 757-7832	(408) 757-1190	(408) 757-0178*
C601	1.00	10 kb	3 kb	13 kb	7 min	9 min	X	X	
636	1.00	6 kb	1 kb	7 kb	5 min	7 min	X	X	
2071	1.00	5 kb	2 kb	7 kb	5 min	7 min	X	X	
2112	1.00	16 kb	11 kb	27 kb	11 min	17 min	X	X	
2212	1.30	21 kb	27 kb	48 kb	15 min	29 min	X	X	
D2012U/ D2412U	USE THE D2212 HANDLER FOR THIS PRODUCT						X	X	
4112	4.5	11 kb	5 kb	16 kb	7 min	10 min	X	X	
6112	2.10	16 kb	8 kb	24 kb	9 min	13 min	X	X	
7112	2.00	25 kb	20 kb	45 kb	15 min	28 min	X	X	
8112	2.60	63 kb	12 kb	75 kb	29 min	36 min	X	X	
7212B	2.00	43 kb	0 kb	43 kb	23 min	N/A	X	X	
9112B	2.00	45 kb	28 kb	73 kb	23 min	40 min	X	X	
9000MAIN	1.04**	34 kb	0 kb	34 kb	20 min	N/A	X	X	X
RADXPNTS	1.01	18 kb	0 kb	18 kb	10 min	N/A	X	X	X
RADXUSR1	1.01	20 kb	0 kb	20 kb	11 min	N/A	X	X	X
RADXUSR2	1.00	20 kb	0 kb	20 kb	11 min	N/A	X	X	X
RADXSKED	1.01	24 kb	0 kb	24 kb	13 min	N/A	X	X	X
RADXAXS	1.01	14 kb	0 kb	14 kb	7 min	N/A	X	X	X
D6500	1.10	10 kb	0 kb	10 kb	7 min	N/A			X
D6500	1.34	10 kb	0 kb	10 kb	7 min	N/A			X
D6500	1.35	10 kb	0 kb	10 kb	7 min	N/A	X	X	

* To properly load handlers from 757-0178 as shown in the chart, you must call us and request a specific Handler. This computer contains BETA and PREVIOUS VERSION Handlers, and requires proper setup before the download process can begin.

**The new Handler (9000 Main v. 1.04) for the D5200 Programmer allows the user to program Command 7 and Command 9 into the keypad function list.

- D5200 Programmer Handlers Update!

Here is an updated matrix of the available handlers with the size, download times and phone numbers.



Tech Tips Frequently Asked Questions

Q: What is the proper way to connect a D327 Addressable Indicating Circuit Module for the D10024, D9024 and D7024 Fire panels?

A: Contrary to what the sticker on the D327 indicates, the Aux Pwr + is connected to the BB terminal and the Aux Pwr - is connected to the BBC terminal. In fact, do not follow the wiring diagram on the D327, use the Installation Instructions instead (Figure 5).

Eric Spansel

Technical Support Representative

Q: What is the function of the J1Jumper on the D192D?

A: This jumper allows the selection of the Aux Power In and not the External Power In voltage. It will be in the 12V position when the Aux Pwr input voltage is 12 VDC, and in the 24V position when the input voltage is 24 VDC. This does not alter the External Power input that powers the Indicating Devices. A trouble will occur when the jumper position is not correct with the Aux Power In voltage.

Eric Spansel

Technical Support Representative

Q: When making an entry in a field for RAM 3, why doesn't the entry remain visible after prompting a SAVE?

A: You must move the cursor out of that field prior to prompting a SAVE in order for the entry to remain in that field.

Angela Parks

Technical Support Representative

Radionics' 1998 National Training Schedule

DATE	SEMINAR	CONTENT	DAY	LOCATION	TRAINER
FEBRUARY 1998					
2/2/98	Regional	D9112/9412, D7212/D7412, D2112/D2212, RAM 3	3	Cromwell, CT	L. di Scipio
2/3/98	Regional	D5200, D9112/D9412, RAM 3, RAM II (if needed), Digital Fire products review	3 1/2	St. Louis, MO	J. Lamontagne
2/5/98	Regional	Radionics Fire Products	1	Buena Park, CA	D. Kugler
2/9/98	Regional	D9112/9412, D7212/D7412, D2112/2212, RAM 3	3	Philadelphia, PA	L. di Scipio
2/9/98	Readykey (A)	Readykey Products	4	Atlanta, GA	M. Dreksler
2/23/98	National (A)	Intrusion	5	Salinas, CA	J. Olinger
2/23/98	Regional	D9112/9412, D7212/D7412, D2112/2212, RAM 3	3	Bayside, NY	L. di Scipio
MARCH 1998					
3/2/98	Regional	D9112/9412, D7212/D7412, D2112/2212, RAM 3	3	Batavia, NY	L. di Scipio
3/9/98	Regional	D9112/9412, D7212/D7412, D2112/2212, RAM 3	3	Virginia Beach, VA	L. di Scipio
3/17/98	Readykey (A)	Readykey Products	4	Las Vegas, NV	M. Dreksler
3/16/98	Regional	D9412/9112, D7412/D7212, D2212/2112, RAM 3	4	Waukesha, WI	L. di Scipio

Seminar registration forms are published five to six weeks prior to the seminar date and can be obtained by calling the National Training Dept. at (800) 538-5807 ext. 1258. Radionics, Inc. reserves the right to cancel any seminar that does not meet the minimum requirement of at least 7 attendees within 14 days of the scheduled seminar date.

1998 Price Code:

A = \$250.00 Per Person B = \$500.00 Per Person

Regional seminars are no charge to all Radionics dealers

CORRECTION UPDATE:

Please note that the DS924 is listed as the ITI part no. 60-511-319.5 on the current price list. This part no. is incorrect. The CORRECT no. is 60-511-01-95.

BULK RATE
U.S. POSTAGE
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