



D2212 Control / Communicator

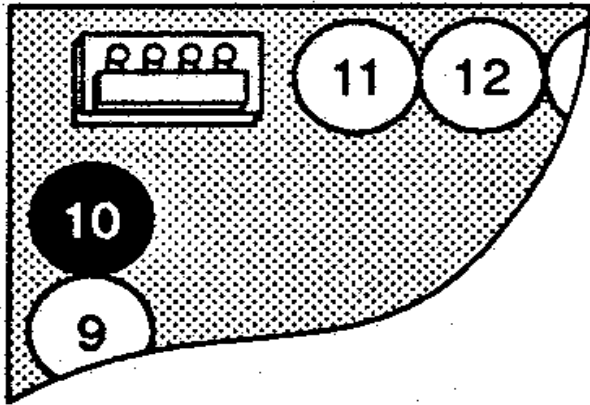
Programming



D5200 Programmer Connect D2212 O&I, Figure 9



Local Programmer Connect
Lock standby switch to program.



Keypad Programming

Must be done with a **text** keypad which is dipswitch set to Address 1.

With the standby switch locked down, your “programming” keypad supersedes any other device that’s programmed for Address 1.

You cannot program a D2212 with an LED keypad.



Keypad Programming

Lock down the D2212 Standby Switch.

Press 1 to enter the installer menu.

Enter “Installer” passcode. [Default code is 6 5 4 3 2 1, but default length is three.]

Keypad begins scrolling installer menu.

Press 8 to enter keypad programming, View Mode.

Press CLEAR key to exit programming mode and return to installer menu.



Keypad Programming

Within the programming mode, there are two modes:

VIEW MODE Allows you to see -- but not change -- each program prompt.

MODIFY MODE Allows you to make changes in the program.

To move between VIEW and MODIFY modes, press the **A** key.



Keypad Programming

In the VIEW mode, the first line of the text keypad's 2-line display shows the group number followed by a dot and the prompt number. (7.11 represents the eleventh item in Group 7 *)

In the MODIFY mode, the group . prompt display will be accompanied by the designation MOD.

* Or possibly a convenience store.



Keypad Programming

In *either* mode, the ***entire prompt*** [with 3 exceptions] is displayed on Line 2 of the keypad display.

The exceptions are:

Phone 1 Phone 2 RAM Phone

... in which the first seven characters appear on Line 1, and the remaining characters are displayed on Line 2.



Keypad Programming

VIEW MODE KEY FUNCTIONS

- A** Switches you to the Modify Mode.
- B** Moves you to the first prompt in the *previous group*.
- C** Moves you to the first prompt in the *next group*.
- *** Moves you to the next prompt in the current group, and wraps from last to first.
- CLEAR** Exits keypad programming.



Keypad Programming

MODIFY MODE KEY FUNCTIONS

- A** Writes displayed value to panel memory and switches to VIEW mode.
- B** Scrolls backward through the character scroll list.
- C** Scrolls forward through scroll list.
- *** Accepts the character displayed in the current character position, then *moves one position to the right*. If you're done writing, press **A**, not *****



Keypad Programming

MODIFY MODE KEY FUNCTIONS

CLEAR exits MODIFY Mode and returns to VIEW Mode *without changing the current value of the prompt.*

0 to 9 enters the corresponding digit into the display in the current character position.

Remember to hit the * key when you're ready to move on, or the **A** key if you're done.



Keypad Programming

MODIFY MODE SCROLL LIST

A B C D E F G H I J K L M N O P Q R

S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

! # ' , - / : < > x

Cover your left eye ...



Keypad Programming

OOPS !

If you make a mistake while entering custom text into the program from the scroll list, *any numeric key* [0 thru 9] can be used to backspace and delete your error.

PATIENCE, PLEASE

It may take up to *15 seconds* for Custom Service Text to appear on the text keypad display after you've programmed it.



Keypad Programming



Default Entries and Selections for Keypad Programming appear in the *shaded areas* of the D2212 Program Entry Guide.

D2212 Program Groups

- | | | |
|-----------------------|------------------------|------------------------|
| 1. Sys Config | 7. A,B,C Keys | 13. Relays |
| 2. Phone | 8. Bell | 14. User Test |
| 3. Reports | 9. Test Timer | 15. Passcodes |
| 4. Receiver | 10. Addr Config | 16. RF Paramtrs |
| 5. Remote Prog | 11. Point Codes | 17. Progr Lock |
| 6. Open/Close | 12. Point Text | |



D2212 Programming

Group 1: System Configuration

1. Account Number 4 digits, leading zeroes.
2. Swinger Count 1, 2, 3, or 4
3. Keyswitch Momentary only !
4. Custom Idle Text 1 [first line]
5. Custom Idle Text 2 [second line]
6. Custom Service Text [second line,
whenever the first
line says "Call
For Service"]



D2212 Programming ***System Configuration***

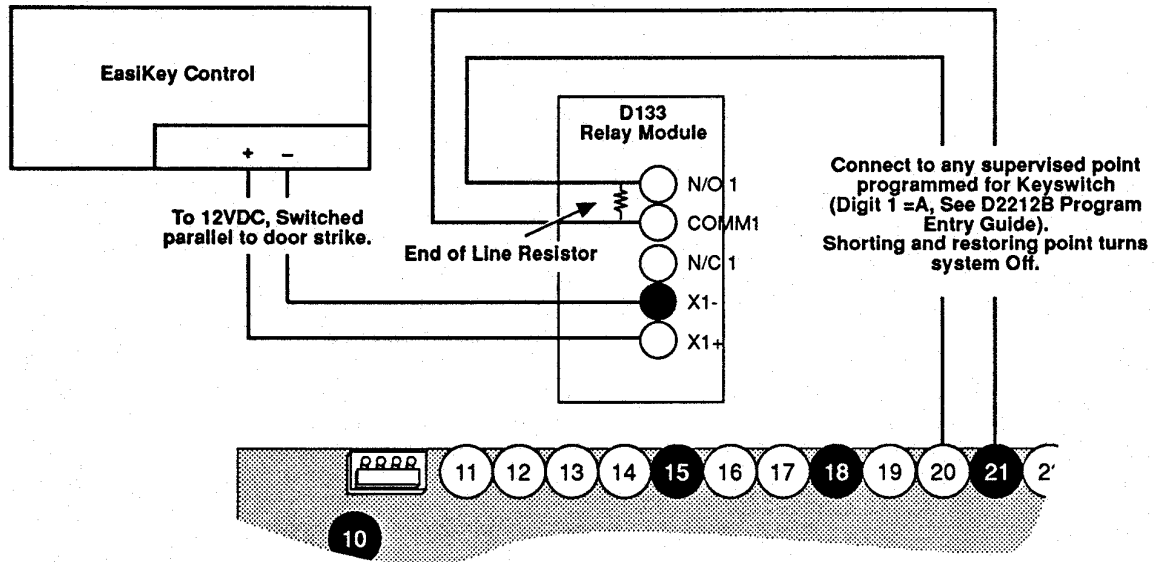
Swinger Count 1, 2, 3, or 4 applies to all points programmed for Swinger Bypass.

Leave *Keyswitch* defaulted to Momentary if no keyswitch used.

***Easikey* can be used to disarm the system, but *not* to arm it.**



D2212 O&I, Figure 13



D2212 Programming

Group 2: Phone

1. DTMF Dialing
2. Phone 1
3. Phone 2
4. Phone Routing
5. Fire Route
6. Non-Fire Route
7. Pt Trbl Route
8. Restoral Route
9. Closing Route
10. Opening Route
11. Cancel Route
12. Sys Trbl Route
13. Sys Res Route
14. Duress Route
15. Test Route

D2212 Programming Phone

DTMF Dialing: If Yes, ***all*** attempts are DTMF.

Phone numbers: If DTMF was not selected, the * and # keys will not work.

If * or # are used, warn the customer that eliminating the “call waiting” feature will necessitate reprogramming the security system.

D2212 Programming

Default Phone Routing



<u>ATTEMPT</u>	<u>PH NBR</u>	<u>ATTEMPT</u>	<u>PH NBR</u>
1	1	6	2
2	1	7	1
3	2	8	2
4	2	9	1
5	1	10	2
		11	Comm Fail



D2212 Programming ***Default Phone Routing***



If Phone 2 is left blank,
five attempts are made to Phone 1.

D2212 Programming

Phone Routing Enabled



Options: *Local* **0**
 Phone 1 Only **1**
 Phone 2 Only **2**
Both **3**

Report Groups: *Fire Alarm, Non-Fire Alarm,
Pt Trbl, Restoral, Closing,
Opening, Cancel, Sys Trbl,
Sys Res, Duress, Test.*



D2212 Programming

Group 3: Reports

1. O/C Reports - All On
2. O/C Reports - Part On
3. Restricted O/C
4. Delay Alarm Report
5. Cancel Report
6. Restoral Reports
7. AC Fail Buzz / Report
8. Point User Flag

D2212 Programming Reports

Opening report includes “after alarm”

“Delay Alarm” applies to points with point codes programmed with a second digit of **2, 3, 7, or 8**. “Missing” and “tamper” alarms are sent as ***troubles***.

If no passcode is entered during the [programmable 0 to 255 - second] Delay Alarm Report time, all reports are sent. SIA recommends 15 seconds. If On w/ No Delay, alarm output follows Delay Alarm Rpt time. [Keypad sounder doesn't]



D2212 Programming Reports

RESTORAL REPORTS

Options:

Do not send point restoral reports. 0

**Send restoral reports for *all points*,
at time of loop restoral. [Default] 1**

**Delay all restoral reports until bell
time expires. 2**



D2212 Programming Reports



AC FAIL BUZZ / REPORT OPTIONS

- ◆ **No Buzz, No Report** **0**
- ◆ **Buzz, No Report** **1**
- ◆ **Buzz, Report** **2**
- ◆ **Buzz, Tag-Along Report** **3**
- ◆ **No Buzz, Report** **4**
- ◆ **No Buzz, Tag-Along Report** **5**

D2212 Programming

Group 4: Receiver

- 
1. Rcvr Format
 2. Fire Group
 3. Non - Fire Group
 4. Point Trbl Group
 5. Restoral Group
 6. Closing Group
 7. Opening Group
 8. Cancel Group
 9. Sys Trbl Group
 10. Sys Res Group
 11. Duress Group
 12. Test Group

If “1”, *Modem Format*, selected for Receiver Format, skip Groups 2 through 12.

D2212 Programming **Receiver**



In D2212 Program Entry Guide:

See MODEM II REPORTS CHART,

and PULSE REPORT GROUP Tables



D2212 Programming

Group 5: Remote Programming

1. RAM Passcode
2. RAM Phone
3. Answer Armed
4. Answer Disarmed
5. Answer Machine

D2212 Programming ***Answer Machine***

“Yes” option disables Answer Armed/Disarmed

Answering machine *must be set to 4 rings.*

**To remote program D2212 with Answer
Machine prompt set to “Yes” ...**



D2212 Programming ***RAM Answer Machine*** ***Workaround***

PANEL EVENTS

1. 2 rings.
2. 30 secs.: no rings.
3. 2 rings.
4. 30 secs.: no rings.
5. D2212 picks up on 1st ring; keypad displays
**“SYSTEM PROGRAM,
USING PHONE LINE”**

R.A.M. II PROCEDURE


1. Dial panel ph nbr.
Hang up after 2 rings.
2. Wait 30 seconds.
3. Redial panel ph nbr.
Hang up after 2 rings.
4. Wait 30 seconds.
5. Redial panel ph nbr.

Begin remote programming.



D2212 Programming

Group 6: Open / Close

- 
1. **Entry Delay Time** 0 - 255 Default 30
 2. **Exit Delay Time** 0 - 255 Default 60
 3. **Extended Delay** 0 - 255 Default 120
 4. **Exit Tone**
 5. **No Delay**
 6. **Excursion**

D2212 Programming ***Open / Close***

BYPASSING EXTENDED DELAY POINTS

If you bypass a faulted ***extended delay*** point, and the point loop status returns to normal during the exit delay, the point returns to the system.

This allows a residential user to arm the system with the garage door open, and maintain protection on the garage door.

Any other point type that is bypassed *is not* loop - status returnable.



D2212 Programming **Open / Close**



“NO DELAY” ARMING OPTIONS

- ◆ **Disabled**
- ◆ **Part On**
- ◆ **All On**
- ◆ **All & Part**

D2212 Programming **Open / Close**

EXCURSION OPTIONS

- ◆ **Disabled**
- ◆ **All Step**
- ◆ **Part Step**
- ◆ **All & Part Step**
- ◆ **All Exit**
- ◆ **Part Exit**
- ◆ **All & Part Exit**

D2212 Programming **Open / Close**

STEP OUTSIDE Feature

System On w/ No Delay.

Press CLEAR Key.

Exit Dly Tone sounds and all delay points [Digit one of Pt Code is 6 or 8] remain bypassed until CLEAR Key is pressed a second time. If a point is faulted at that time, the tone and bypass continue until that point is restored by the user to its normal state.



D2212 Programming **Open / Close**

EXIT Feature

System On w/ No Delay.

Press CLEAR Key.

Exit Dly Tone sounds and all delay points remain bypassed until exit delay expires. Pressing CLEAR Key again during exit delay cancels the exit. A faulted point at the end of the exit delay creates an ***“Exit Error”*** alarm. An alarm within 2 minutes of the end of the exit delay results in an ***“Alarm Recent Close”*** report.



D2212 Programming

Group 7: A, B, C Keys



	<u>A Key</u>	<u>B Key</u>	<u>C Key</u>
Alarm Report	1	5	9
Alarm Output	2	6	10
Ack Tone	3	7	11
Text	4	8	12

A, B, C Keys must be pressed ***twice*** in order to activate them.



D2212 Programming

Group 8: Bell

- 
- 1. Bell Time**
 - 2. Bell Test**
 - 3. Single Ring**
 - 4. Alarm on 2 Fail**

D2212 Programming Bell



**BELL TIME [Alarm Output]
Programmable from
0 to 255 Minutes.**

**[Minimum 3 minutes if
Alarm on 2 Fail option
exercised for silent points.]**

D2212 Programming

Group 9: Test Timer

1. Test Interval
2. Hours to Next
3. Minutes to Next
4. Defer Test Report

D2212 Programming **Test Timer**



TEST INTERVAL OPTIONS

- ◆ **No Report** **0**
- ◆ **1 Day** **1**
- ◆ **7 Days** **2**
- ◆ **28 Days** **3**

D2212 Programming

Group 10: Address Configuration



Addresses 1 thru 8

If ***text keypads*** are used, at least one --
and only one -- must be programmed to
Address 1.

Use one address for ***all*** LED keypads.



D2212 Programming **Address Configuration**

ADDRESS OPTIONS

Not Used	0
LED Keypad	1
Text Keypad	2
Text Keypad with Points	3
RF Point Expander, 8	4
RF Point Expander, 16	5
Point Expander	6

D2212 Programming

Group 11: Point Codes

Points 1 thru 8 default - programmed:

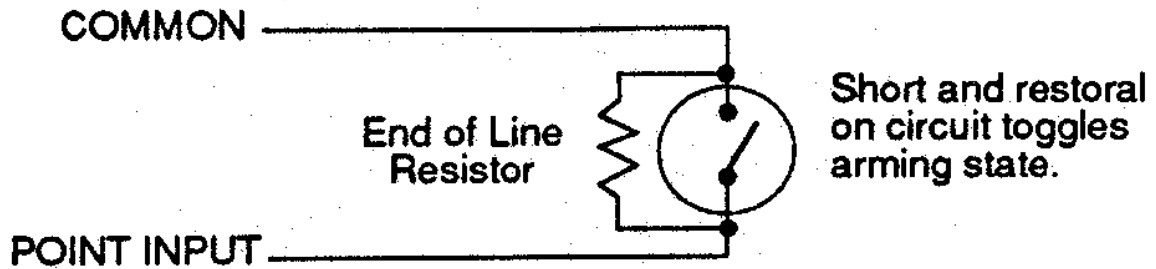
- | | |
|--------------------|-------------------------|
| 1 - | Fire |
| 2 & 3 - | Delay Doors |
| 4 - | Non - Delay Door |
| 5 thru 8 | Motion Detectors |
| 9 thru 24 | Not Enabled |

D2212 Point Codes

5-DIGIT POINT CODE FORMULA

<u>Digit #</u>	<u>Defines</u>	<u>Options</u>
1	Point Type	0 thru 9, A,B,C
2	Alarm Response	0 thru 9
3	Point Options	0 thru 9, A thru F
4	Device Address	0 thru 8
5	Sensor Loop	A thru P

D2212 O&I, Figure 12 ***Keyswitch Point Wiring***



Keyswitch Point



Points 7 & 8

*cannot be used
for Keyswitch Arming Points.*

D2212 Programming **Point Codes**

Thoroughly review

Default Point Codes

Point Code Charts

and

Recommended Point Codes

in

D2212 Program Entry Guide.



D2212 Programming ***Group 12: Point Text***

Two-Line displays for Points 1 thru 24.

Allow up to 15 seconds for text to load and appear on all keypads.

D2212 Programming

Group 13: Relays

- 1. Relay 1 Logic**
- 2. Relay 2 Logic**
- 3. Relay 1, Function 1**
- 4. Relay 1, Function 2**
- 5. Relay 2, Function 1**
- 6. Relay 2, Function 2**

D2212 Programming Relays

RELAY LOGIC Options

- ◆ Function 1 Only 0
- ◆ Function 1 or 2 1
- ◆ Function 1 and 2 * 2

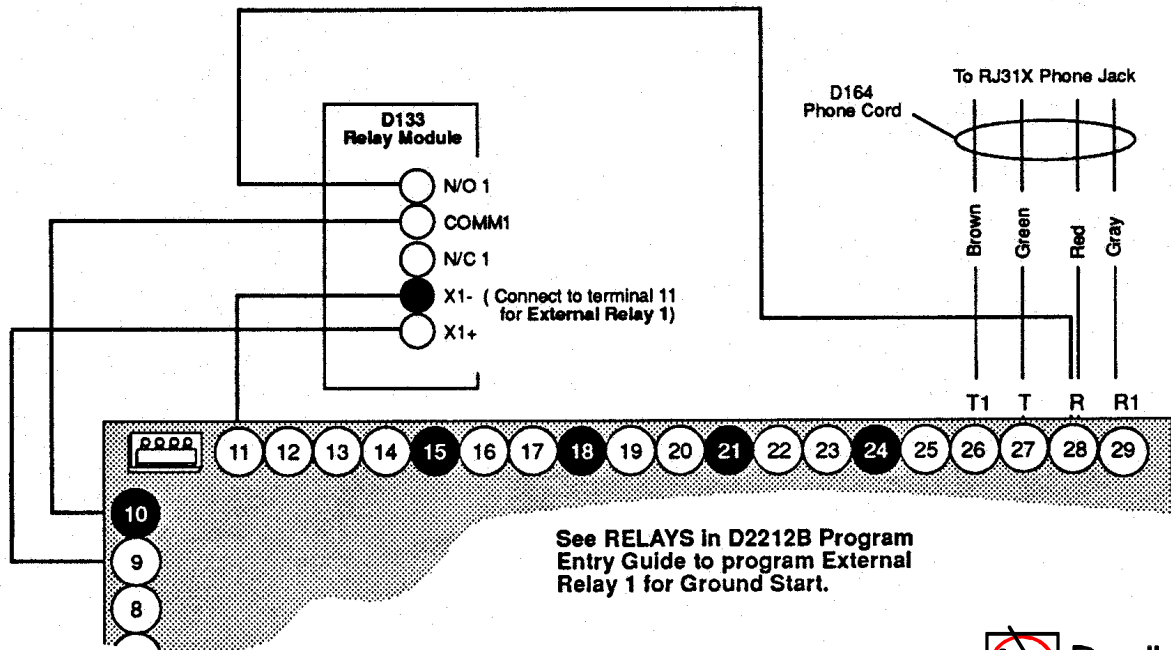
* **Both** Functions must call for activation before the system activates the relay output.

D2212 Programming Relay Functions

No Output	ABC Keys Steady	Part On	Entry & Exit Delay
		Reset	
Alarm	ABC Keys Pulse	AC Fail	Extended Delay
Alarm Memory	ABC Keys Momentary	Battery Trouble	Pulsed Output
Point Trouble	Off With Passcode	Comm Fail	2 - Second Output
Follow Point	Follow Alarm Output	Communi- cating	RF, Light Key
Watch Tone	All On	Ground Start	RF, Special Key



D2212 O&I, Figure 11



D2212 Programming ***Relay Functions***

Review ***Relay Function Selections***
in D2212 Program Entry Guide.

If programming from the keypad,
Review ***Relay Parameters***
in D2212 Program Entry Guide,
at the end of the Relays Group.

[Groups 18 thru 21]



D2212 Programming

Group 14: User Test

- 
1. User Test, Bell
 2. User Test, Battery
 3. User Test, Communications

Defaulted Disabled [0] for each function.
Enable each with “Yes” [1].

D2212 Programming

User Test

User initiates by pressing “1” + passcode at keypad.

Options:

Bell Test

2 - second duration.

Battery Test

4 - minute duration;
CLEAR key cancels.

Comm Test

Test report. Six attempts if one rcvr ph nbr programmed; ten if two.



D2212 Programming

Group 15: Passcodes

1. **Installer Code**
2. **Passcode Length**
3. **Code 8 = Duress**
4. **Passcode Required [to arm system ?]**
5. **Change Passcode [allowed by whom ?]**
6. **Passcode # Type**
7. **Passcode #**



D2212 Programming **Passcodes**

Installer passcode ***always requires 6 digits.***

Eight programmable User passcodes.

Passcode length [all users]: 3 to 6 digits.

Passcode ***types***: Owner, User, One - Time.

Passcode #8 programmable as the system
Duress passcode.

All / Part On Arming Passcode Restriction
optional.

Passcode Change can be enabled for *user*
& *owner*, *owner only*, or no one.



D2212 Programming

Group 16: RF Parameters

1. Supervision Interval

Options: 12 hours	0	
24 hours	1	[Default]

D2212 Programming

Group 17: Program Lock

1. Return to Default [**Keypad Programming Only**]
2. Program Lock ***“YES” PREVENTS / DISABLES KEYPAD PROGRAMMING !!!***
3. Disable System **Cannot subsequently be *re-enabled* from keypad; requires D5200 or Remote Account Manager.**



D2212 Programming

**Any questions on
Programming ?**

Thanks for your attention !



D2212 Control/ Communicator



Rely on



to meet your
security needs

