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1.0 Panel Programming Information

1.1 Receiver Setup

Address

Each DS7400Xi Control Panel can accept up to two receivers. The appropriate receiver address (#1 or #2) is selected at the receiver and the default settings is #1. Use setting #1 if this is the only receiver on the panel. Use setting #2 if a second receiver is used. See Installation Instructions for configuration details.

Supervision

The receiver expects to periodically receive status from each installed transmitter and will report to the control panel when it has not heard from a specific transmitter for the interval selected at the receiver (typically 12 or 4 hours). See Installation Instructions for configuration details.

1.2 Receiver Programming: Program Address 2731

The DS7400Xi control panel can accept 1 or 2 receivers on the multiplex bus. The panel must be programmed for the number of receivers used and which zones are assigned to each receiver.

Data Digit 1 defines if there are 0, 1, or 2 receivers.

Data Digit 2 defines the zones covered by receiver #1 and receiver #2. If there is only one receiver, Data Digit 2 **must** be 0. If two receivers are programmed, Data Digit 2 should **not** be 0. Do **not** program two receivers if you are not programming zones to both receivers. Also, do **not** install a second receiver if it is not properly programmed.

Solast Option DD	Data 1	Digit 2
No Receiver	•	_
One Receiver 2		
Two Receivers 4		Ī
	DD	
Select Option	עט	
One Receiver	0	
Receiver #1 = Zones 137 - 144	4	
Receiver #2 = Zones 145 - 248	1	
Receiver #1 = Zones 137 - 152 Receiver #2 = Zones 153 - 248	2	
Receiver #1 = Zones 137 - 160		
Receiver #2 = Zones 161 - 248	3	
Receiver #1 = Zones 137 - 168	4	
Receiver #2 = Zones 169 - 248	4	
Receiver #1 = Zones 137 - 176 Receiver #2 = Zones 177 - 248	5	
Receiver #1 = Zones 137 - 184	•	
Receiver #2 = Zones 185 - 248	6	
Receiver #1 = Zones 137 - 192	7	
Receiver $#2 = 2011es 193 - 248$	-	
Receiver $#1 = 2000 + 137 + 2000$ Receiver $#2 = 2000 + 2000$	8	—
Receiver #1 = Zones 137 - 208	a	
Receiver #2 = Zones 209 - 248	3	
Receiver #1 = Zones 137 - 216 Receiver #2 = Zones 217 - 248	*0	
Receiver #1 = Zones 137 - 224		
Receiver #2 = Zones 225 - 248	*1	
Receiver #1 = Zones 137 - 232	*2	
Receiver #2 = Zones 233 - 248	-	
Receiver $#1 = 2000 \text{ and } 137 - 240$ Receiver $#2 = 2000 \text{ and } 241 - 248$	*3	
	1	

2.0 Adding Wireless RF Sensors/Contacts to the System

2.1 **General Information**



Any zones used by RF devices must be programmed as RF zones before the wireless devices can be activated. This is accomplished by programming for an RF receiver in Address 2731. See Section 1.1 - Receiver Programming: Program Address IMPORTANT 2731.

To install an RF (Wireless) Sensor or Contact perform the following:

- Program RF zones on the DS7400Xi (4+) Control Panel.
 - Programming a zone is a four step process. These steps must be performed, in order, to program a zone.
 - Step 1 is programming Zone Functions (what the zone will do in alarm),
 - Step 2 is assigning a Zone Function to the zone.
 - Step 3 is assigning a Zone Type to the zone.
 - Step 4 is assigning the zone to a partition.

These steps allow you to define the RF (Wireless) Zone's address (zone number), its type (always a single input zone, selection 0), which zone or output function it will follow (1-30) and its partition (1-8).

- Install the RF Sensor(s) or Contact(s) according to its installation Instructions.
- Program the RF Sensor(s) or Contact(s) (refer to Section 5.0 Programming Wireless RF Devices into the DS7400Xi (4+) Panel). - Add the RF zones.
 - Test the RF zones. -

Step 1: Programming the Zone Functions: Program Addresses (0001-0030)

A Zone Function is the description of how a zone will behave. Up to 30 different Zone Functions may be programmed. You may use the default values (which are already programmed into the panel) and skip this step, or change the defaults, or add new Zone Functions. See *Section 6.2* of the *DS7400Xi* (4+) *Reference Guide* (*P/N: 40816*) for further details.

Data Digit



The Zone Functions for **RF Sensors** must always be set for "Alarm on Short" and "Trouble on Open" (options 4-7).

The Zone Functions for **RF Contacts** must always be set for "Alarm on Short" and "Trouble on Open" when using the **Magnet Only** (options 4-7). The Zone Functions for **RF Contacts** may be set for any appropriate value when using the **Input Loop Only** (options 0-*5).



Step 2: Assigning a Zone Function to the Zone: Program Addresses (0167-0278)

In this step, a Zone Function is assigned to the Zone.



Zone Number	Address	Zone Function Default
137	0167	00
138	0168	00
139	0169	00
140	0170	00
141	0171	00
142	0172	00
143	0173	00
144	0174	00
145-248	0175-0278	00

Hint: Address = Zone Number + 30

Step 3: Assigning a Zone Type to the Zone: Program Addresses (0483-0538)

In this step, a Zone Type is assigned to the Zone.

For RF devices, this is always a Sensor or Contact, selection 0, or a Keyfob, selection 5. The zone type for odd numbered zones is programmed in the first data digit of these addresses. The zone type for even numbered zones is programmed in the second MPORTANT data digit of these addresses.



Zones	Address	Zones	Address	Zones	Address	Zones	Address
Zones 137 & 138	0483	Zones 165 & 166	0497	Zones 193 & 194	0511	Zones 221 & 222	0525
Zones 139 & 140	0484	Zones 167 & 168	0498	Zones 195 & 196	0512	Zones 223 & 224	0526
Zones 141 & 142	0485	Zones 169 & 170	0499	Zones 197 & 198	0513	Zones 225 & 226	0527
Zones 143 & 144	0486	Zones 171 & 172	0500	Zones 199 & 200	0514	Zones 227 & 228	0528
Zones 145 & 146	0487	Zones 173 & 174	0501	Zones 201 & 202	0515	Zones 229 & 230	0529
Zones 147& 148	0488	Zones 175 & 176	0502	Zones 203 & 204	0516	Zones 231 & 232	0530
Zones 149 & 150	0489	Zones 177 & 178	0503	Zones 205 & 206	0517	Zones 233 & 234	0531
Zones 151 & 152	0490	Zones 179 & 180	0504	Zones 207 & 208	0518	Zones 235 & 236	0532
Zones 153 & 154	0491	Zones 181 & 182	0505	Zones 209 & 210	0519	Zones 237 & 238	0533
Zones 155 & 156	0492	Zones 183 & 184	0506	Zones 211 & 212	0520	Zones 239 & 240	0534
Zones 157 & 158	0493	Zones 185 & 186	0507	Zones 213 & 214	0521	Zones 241 & 242	0535
Zones 159 & 160	0494	Zones 187 & 188	0508	Zones 215 & 216	0522	Zones 243 & 244	0536
Zones 161 & 162	0495	Zones 189 & 190	0509	Zones 217 & 218	0523	Zones 245 & 246	0537
Zones 163 & 164	0496	Zones 191 & 192	0510	Zones 219 & 220	0524	Zones 247 & 248	0538

When using premises RF:

• zones 129 - 136 are reserved.

• zones 137 - 248 are available as RF zones only. Wired zones can not reside in zones 137 - 248 when using RF.

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Step 4: Assigning a Partition to the Zone: Program Addresses (0355-0410)

In Zone Partition Assignment, each zone is assigned to a partition. By default, all zones are assigned to partition 1.

The partition assignment for odd numbered zones is programmed in the first data digit of these addresses. The partition assignment for even numbered zones is programmed in the second data digit of these addresses.

For example, to assign zone 137 to partition 1 and zone 138 to partition 2, program address 0355 as 01.

Zones	Address	Zones	Address	Zones	Address	Zones	Address
Zones 137 & 138	0355	Zones 165 & 166	0369	Zones 193 & 194	0383	Zones 221 & 222	0397
Zones 139 & 140	0356	Zones 167& 168	0370	Zones 195 & 196	0384	Zones 223 & 224	0398
Zones 141 & 142	0357	Zones 169 & 170	0371	Zones 197 & 198	0385	Zones 225 & 226	0399
Zones 143 & 144	0358	Zones 171 & 172	0372	Zones 199 & 200	0386	Zones 227 & 228	0400
Zones 145 & 146	0359	Zones 173 & 174	0373	Zones 201 & 202	0387	Zones 229 & 230	0401
Zones 147 & 148	0360	Zones 175 & 176	0374	Zones 203 & 204	0388	Zones 231 & 232	0402
Zones 149 & 150	0361	Zones 177 & 178	0375	Zones 205 & 206	0389	Zones 233 & 234	0403
Zones 151 & 152	0362	Zones 179 & 180	0376	Zones 207 & 208	0390	Zones 235 & 236	0404
Zones 153 & 154	0362	Zones 181 & 182	0377	Zones 209 & 210	0391	Zones 237 & 238	0405
Zones 155 & 156	0364	Zones 183 & 184	0378	Zones 211 & 212	0392	Zones 239 & 240	0406
Zones 157 & 158	0365	Zones 185 & 186	0379	Zones 213 & 214	0393	Zones 241 & 242	0407
Zones 159 & 160	0366	Zones 187 & 188	0380	Zones 215 & 216	0394	Zones 243 & 244	0408
Zones 161 & 162	0367	Zones 189 & 190	0381	Zones 217 & 218	0395	Zones 245 & 246	0409
Zones 163 & 164	0368	Zones 191 & 192	0382	Zones 219 & 220	0396	Zones 247 & 248	0410



3.0 Adding RF3341 Keypads

3.1 **General Information**

If using wireless keypads, please observe the following:

- There must be at least one wired keypad in the system.
- If only one wired keypad is used, it must be keypad #1.
- · Wireless keypads must not be assigned as master keypads.
- The system may have a maximum of five wireless keypads. Wireless keypads can only be assigned as keypads 1-5.
- Both a wired and a wireless keypad may be assigned to the same address.



For UL Listed installations, an indicating light programmed to follow the armed/disarmed states of the system is required near the primary entry/exit point. See your control panel programming reference guide for information on programming an output to follow the armed/disarmed state.

Step 1: Setting RF3341 Keypad Supervision

Set the Supervision Jumper to ON, if the keypad will be supervised by the control panel. Select ON (Supervised) only if the keypad will always be in radio range of the control panel receivers. If the keypad is moved beyond the range of the receivers, a keypad fault condition will be displayed at the wired keypads. Select OFF (Unsupervised) if the keypad will be removed from the premises.

Step 2: Assigning Keypad Type: Programming Addresses 3131-3138

Keypad type is either wired or wireless. If both a wired and a wireless keypad will be sharing an address, program the Data Digit for the wired keypad type.

Data Digit 1 defines the first keypad in the address. Data Digit 2 defines the second keypad in the address.

> Select Options 2 0 1 3 Disabled or Wireless Only Keypad • Alpha (LCD) Keypad LED Keypad • Master Keypad***

***Wireless keypads must not be assigned as master keypads.

> Graved addresses are **not** available for wireless keypads.

Data Digit

2

Step 3: Assigning Keypad Partition: Programming A

Keypad Partition Assignment is where both wired and wireless keypads are assigned to a partition. Wireless keypads may only be keypads 1-5. Wireless keypads may be assigned to any partition.

Data Digit 1 defines the first keypad in the address. Data Digit 2 defines the second keypad in the address.

Addresses 3139-3146					
Select Option	DD				
Belongs to Partition 1	0				
Belongs to Partition 2	1				
Belongs to Partition 3	2				
Belongs to Partition 4	3				
Belongs to Partition 5	4				
Belongs to Partition 6	5				
Belongs to Partition 7	6				
Belongs to Partition 8	7				

			Keypad 13 default = 0	Keypad 14 default = 0	Keypad 15 default = 0	Must Be 0
g	Addresses 3139-	3146				
	Select Option	חח	Program Ad	ldress 3139	Program Ad	dress 3140
	ociect option		Data Digit 1	Data Digit 2	Data Digit 1	Data Digit 2
	Belongs to Partition 1	0				
	Belongs to Partition 2	1				
	Belongs to Partition 3	2	Keypad 1	Keypad 2	Keypad 3	Keypad 4
	Belongs to Partition 4	3	Program Ad	ldress 3141	Program Ad	dress 3142
	Belongs to Partition 5	4	Data Digit 1	Data Digit 2	Data Digit 1	Data Digit 2
	Belongs to Partition 6	5				
	Belongs to Partition 7	6				
	Belongs to Partition 8	7	Keypad 5	кеурад 6	Keypad 7	Keypad 8
		<u> </u>	Program Ad	ldress 3143	Program Ad	dress 3144
			Data Digit 1	Data Digit 2	Data Digit 1	Data Digit 2
			Keypad 9	Keypad 10	Keypad 11	Keypad 12
	Grayed addresses	s are not				
a١	ailable for wireless	keypads.	Program Ad	Idress 3145	Program Ad	dress 3146
		- 71	Data Digit 1	Data Digit 2	Data Digit 1	Data Digit 2

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Must Be 0

Keypad 14 Keypad 15

- If both a wired and a wireless keypad are assigned to the same address, select the option for the appropriate wired keypad in Addresses 3131-3133.
- If a wireless keypad without a wired counterpart is desired, program the Data Digit as 0 (Disabled).

3 Volt

Batter

Program Address 3131

Data Digit 1 Data Digit 2

Program Address 3133

Program Address 3135

Data Digit 1 Data Digit 2

Program Address 3137

Keypad 1

default = 1

Data Digit 1

Keypad 5 default = 0

Keypad 9

Data Digit 1

Keypad 13

 \otimes

Keypad 2

default = 0

Data Digit 2

Keypad 6

Keypad 10

Data Digit 2

OFF

Supervision

Program Address 3132

Data Digit 1 Data Digit 2

Program Address 3134

Data Digit 1 Data Digit 2

Program Address 3136

Data Digit 1 Data Digit 2

Program Address 3138

Data Digit 1 Data Digit 2

Keypad 4

default = 0

Keypad 8

Keypad 12 default = 0

0

Jumper

Keypad 3

default = 0

Keypad 7 default = 0

Keypad 11

default = 0

Wireless keypads may be assigned to any partition.

 \bigotimes

Step 4: Programming Wireless Keypads

Once the Keypad Assignment Programming (Addresses 3131-3138) and Keypad Partition Assignment Programming (Addresses 3139-3146) have been completed, the wireless keypads may be programmed into the system. The keypads will appear as zones 130 (for keypad #1) through zone 134 (for keypad #5). See Section 5.0 - Programming Wireless RF Devices into the DS7400Xi Panel for programming the keypads.

Fi

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Fi

Fi

Step 5: Wireless Keypad A, B and C Keys (Optional)

The A, B and C keys will only be operational if programmed in your control/communicator. Programming Addresses 3147 and 3148 allow you to disable or activate the A, B, and/or C keys on the keypad for silent, pulsed, or steady alarm. See *"Emergency Key Programming: Program Addresses 3147-3148"* in your DS7400Xi (4+) Reference Guide (P/N: 40816) for more information.



If your Control Panel is set for Commercial Fire Mode, the values for the Fire Key "A" and the Panic Key "C" may be forced to different values. For more information, refer to "Commercial Fire Mode Programming: Program Address 2733" in your DS7400Xi (4+) Reference Guide (P/N: 40816).

Fire Select O ire Key Disabl ire Key = Disa ire Key = Stea ire Key = Pulso	Key ption ed bled dy Alarm ed Alarm	DD 0 1 2 3	PA 3147 Data Digit 1 2	PA 3148 Data Digit 1 2 0 1 0
Spec Spec Spec Spec	Emerger Select ial Emergency ial Emergency ial Emergency ial Emergency	Option Key Disabled Key = Silent A Key = Steady Key = Pulsed	DD 0 larm 1 Alarm 2 Alarm 3	
	Par Select Panic Key Dia Panic Key = S Panic Key = I Panic Key = I	nic Key C ct Option isabled Silent Alarm Steady Alarm Pulsed Alarm	DD 0 1 2 3	Data Digit 2 must be 0

Step 6: Programming On-Board Outputs: Program Addresses 2734-2736 (Optional)

The operation of the Option $\frac{W}{W}$ Key will be the same on all keypads and keyfobs if they are assigned to the same partition.

The RF3341 Keypad has an Option key which may be programmed to drive the control panel outputs. The Option key may be used to drive any of the three panel outputs or any of the 24 custom programmable outputs.

Output	Add	ress	Defau	lt		
Alarm Programmable Output 1 Programmable Output 2	27 27 27	'34 '35 '36	63 33 23		Data 1	Digit 2
[Wireless	s Keypad	Outputs	*0	• *0	
Ор	tions	RF	3341	DD		1
Dis	sabled			0		
Мо	mentary	Option	Key	1		
Τος	jgle	Option	Key	2	ĥ	

Step 7: On-Board Output Partition Assignment and Chirp Control: Program Addresses 2737-2738 (Optional)

The outputs may be assigned to follow the Option $\forall \forall$ Key in one or all partitions in the Output Partition Assignment Addresses 2737-2738. Outputs may also be programmed to "Chirp" (a 1/2 second sounder output when the panel is armed or two 1/2 second sounder outputs when the panel is disarmed).



Programming Output Functions to Follow the Wireless Keypad Option 🖐 Key (Optional) Step 8:

Output functions can be assigned to off-board devices, MUX devices, etc.



4.0 Adding RF3332, RF3334, and RF3502 Keyfobs

4.1 **General Information**

NOTE: Keyfobs are zone inputs. They do not require Keypad Assignment programming.



If the system is using two receivers, please note the following: Because keyfobs are assigned to a zone and zones are assigned to a receiver, the coverage of the keyfob is limited to the assigned receiver.

Each RF3332 (2-Button) or RF3334 (4-Button) or RF3502 (Panic) Keyfob occupies 1 RF zone. It is possible to have up to 112 Keyfobs on a system. The RF3334 Keyfob can also operate programmed outputs.



For UL Listed installations, an indicating light programmed to follow the armed/disarmed states of the system is required near the primary entry/exit point. See your control panel programming reference guide for information on programming an output to follow the armed/disarmed state.

Assigning Zone Type: Programming Addresses 0483-0538 Step 1:

The zone type for odd numbered zones is programmed in the first data digit of these addresses. The zone type for even numbered zones is programmed in the second data digit of these addresses.

- Each Zone that will be used for a keyfob must be programmed as zone type 5.
- Each Keyfob must be assigned to a zone.

Data Digit 1 and/or Data Digit 2 must be set to 5.



Any zones used by RF devices must be programmed as RF zones before the wireless devices can be activated. This is accomplished by programming for an RF receiver in Address 2731. Refer to Section 1.0 of this Guide or to the DS7400Xi (4+) Reference Guide (P/N: 40816) for additional Information.

Even-Numbered Zones



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Step 2: Zone Programming: Programming Addresses 0167-0278



Zone Programming (Program Addresses 0167-0278) is different when programming for keyfobs. Data Digit 1 is always 0, and Data Digit 2 can only be 1, 2, 3, or 4.

Keyfob function programming is programmed starting at Program Address 0167.

Hint: Zone number + 30 = The Program Address Example: Zone 137 + 30 = Program Address 0167

Step 3: Assigning Keyfobs to a Partition: Programming Address 0355 - 0

- Each Keyfob must be assigned to one or all partitions. If one of the "All Partitions" options was selected for the zone (see Step 2 above) you do not need to assign a partition to the zone.
- The partition assignment for odd numbered zones is programmed into the first data digit of these addresses. The partition assignment for even numbered zones is programmed into the second data digit.

For Partition Assignment Addresses, refer to Step 4 of Section 2.0 of this Guide or to the DS7400Xi (4+) Reference Guide (P/N: 40816).

Programming Wireless Keyfobs Step 4:

Once the Keyfob Zone Programming (Addresses 0167-0278) and Keyfob Partition Assignment have been completed, the wireless Keyfobs may be programmed into the system. See Section 5.0 - Programming Wireless RF Devices into the DS7400Xi Panel for programming the Keyfobs.

Select First Zone Opti

Belongs to Partition 1

Belongs to Partition 2 Belongs to Partition 3

Belongs to Partition 4

Belongs to Partition 5

Belongs to Partition 6

Belongs to Partition 7

Belongs to Partition 8

Step 5: Wireless Keyfob Panic Function (Optional)

The Panic function will only be operational if programmed in your control/ communicator. Programming Address 3148 allows you to disable or activate the Panic "C" key on the keyfob for silent, pulsed, or steady alarm. See "Emergency Key Programming: Program Addresses 3147-3148" in your DS7400Xi (4+) Reference Guide (P/N: 40816) for more information.

If your Control Panel is set for Commercial Fire Mode, the values for the Panic Key "C" may be forced to different values. For more information, refer to "Commercial Fire Mode Programming: Program MPORTANT Address 2733" in your DS7400Xi (4+) Reference Guide (P/N: 40816).



The RF3334 Keyfob has two key outputs which may be programmed to drive the control panel outputs. Either key may be used drive any of the three panel outputs or any of the 24 custom programmable outputs.

The operation of the Option Ψ key will be the same on all keypads and keyfobs if they are assigned to the same partition. Data Digit

Output	Address	Default
Alarm	2734	63
Programmable Output 1	2735	33
Programmable Output 2	2736	23

Wireless Keyfob Outputs				
	RF3334			
Disabled		0		
Momentary	Option 🥊 Key	1		
Toggle	Option 🥊 Key	2		
Momentary	Auxillary 🗌 Key	3		
Toggle	Auxillary 🗌 Key	4		



For any of these addresses, the first digit must be *0 for Keyfobs.

		-	_	-	-
	Single Partition No Force Arming Allowed	۲			
	Single Partition Force Arming is Allowed		•		
	All Partitions No Force Arming Allowed			۲	
	All Partitions Force Arming is Allowed				۲
)4	10	Dat 1	a D	igit 2	
or	00		ר ו		
			_		_

Select Options

Data Digit 1

n

2 3 4

PA 3148

1

*0

2

2

H	Belongs to Partition 1	0	
H	Belongs to Partition 2	1 -	
μ	Belongs to Partition 3	2	
	Belongs to Partition 4	3	
	Belongs to Partition 5	4	
	Belongs to Partition 6	5	
	Belongs to Partition 7	6	
	Belongs to Partition 8	7	
_			
t Pro	gramming (Addresses 03	55-041	10

Select Second Zone Option



On-Board Output Partition Assignment and Chirp Control: Programming Addresses 2737-2738 (Optional) Step 7:

The outputs may be assigned to follow the Option 👋 Key in one or all partitions in the Output Partition Assignment Addresses 2737-2738.Outputs may also be programmed to "Chirp" (a 1/2 second sounder output when the panel is armed or two 1/2 second sounder outputs when the panel is disarmed).



Programming Output Functions to Follow the Keyfob Output Buttons (Optional) Step 8:

Output functions can be assigned to off-board devices, MUX devices, etc.



Program

5.0 Programming Wireless RF Devices into the DS7400Xi (4+) Panel

5.1 **General Information**

All Wireless RF devices (Keypads, Keyfobs, PIRs, Smoke Detectors and Contact Points) must be programmed into the DS7400Xi panel in order to be recognized.

Each wireless device will have a unique ID code attached to the device in the form of a two part bar code sticker or a number set as shown here:

It is suggested that you keep one part of the sticker for your records and leave the second part attached to the device.

To program a wireless device after the DS7400Xi (Ver. 4+) Control/Communicator has been programmed for RF zones, perform the following:

- Enter the programmer's mode by entering the default code followed by #0.

- NOTE: The code for the programmer's mode is preprogrammed at the factory as 987654. The panel's factory default for PIN length is four digits. Therefore, as the panel is shipped, the default code for the programmer's mode is 9876. However, if you change the PIN length default from four digits to six digits, the programmer's mode default code will change to 987654.
- NOTE: You may exit the programming mode at any time by pressing the [*] key for two seconds. If no keystrokes are detected for thirty minutes, the panel will automatically exit the programmer's mode.

- Enter the RF programming mode by entering [9] [9] [0] followed by the [#] button.

NOTE: If you make an entry mistake while in RF programming mode, you can clear the mistake by pressing the + key twice.

- **NOTE:** You may exit the RF programming mode at this time by pressing the "Off" key.
- If no RF zones have been programmed into the panel the following message will appear:

	Press Off
- If the namel has been programmed with RE zones the RE Installer's Menu will then annear:	
	Add RF Zone? Press 1
	Test PE 7one?
	Press 2
	Remove RF Zone? Press 3
5.2 Adding RF Zones	
 Select "Add RF Zone" by pressing the 1 key. 	
 If all of the RF zones have been added, the following message will appear: 	Last RF Zone Press Off
 If zones are ready to be added, the following display will appear: 	

Press # • The zone number shown will be the lowest number zone available to be added. If no wireless devices (including keypads) are yet programmed, the zone shown will be 130. Zones 130 through 134 are reserved for wireless keypads and zones 137 through 248 are reserved for other wireless devices. You may step forward to other programmed and ready to be added zones by pressing the "ON" key on the keypad. If you step through all the zones and the message "Last RF Zone - Press Off" appears, you may return to the first available zone for programming by pressing the "On" key. You cannot step backward through the zones - only forward.



following message:

RF input zones and keyfobs will appear on the display as zones 137-248. RF keypads will appear as zones 130 (for keypad #1) through zone 134 (for keypad 5).

• When the desired zone number is shown in the display, press the # key to accept that zone number and display the following:

• At this time, enter the 9 digit code from the ID sticker on the device followed by #. The system

will confirm acceptance of the device with a single beep from the keypad and display the

Enter ID Zn ###

Add Zone ###

Added Zone ### Press On

• Pressing the "On" key at this time will prompt the system to the next zone ready to be added to the system or display the message "No Zones To Add Press Off" if there are no zones to be added.

|--|



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A three beep tone from the keypad will indicate that the device was not accepted by the system for or	ne of the following reasons.
 If the display shows the following message, it indicates that the sensor code has already been added to the system. The sensor shown can be removed from the system (see Section 5.4) or another sensor may be added to the system. 	Duplicate Zn ### Press #
 Pressing the # key will attempt to program the zone again. 	
• If the following message appears, it indicates that the device ID number was not entered correctly:	ID Entry Error Press #
 Pressing the "Off" key will exit the Add RF Zone mode. The system will pause while the RF zones are configured. 	Configuring RF Please Wait
5.3 Testing RF Zones	
From the RF Installer's menu, select Test RF Zone (selection 2).	Togt DE 70002
	Press 2
 If there are no RF zones programmed into the system or if the zones have not been "Added", the display will read: 	No RF Zones Press Off
 If RF zones are programmed into the system and the sensors have been "Added", the display will show the first RF sensor available for testing: 	Test Zone ### Press #
• You may test the zone shown by pressing the # key or advance to another zone by pressing the "On" key. When a zone is selected you will be prompted to activate the point. You may activate the point by creating an alarm or tamper condition.	Zone XXX Activate Point
The test values will now be displayed. Zn XXX P:XX L	Good XXXXXXXXX Margina XXXX A:XXX Relocat
 The information displayed will be the Zone Number and the "P" or Packet Count. (When transmitting information the transmitter sends the same information 4 or 8 times in "Packets" a least 1 of these packets. The number of packets sent depends on the device sending the information number of packets does not reflect the actual strength of the signal). "Good," "Marginal," or "Relocate" will also appear depending on the relative signal strength. If the sign eight times, four times for a Marginal signal and only once for a Relocate signal. The "L" represents the ambient noise level and is displayed as a value of 0-99. The "A" represents the ambient noise level 0-99. 	and the receiver must receive and the type of information. The al is Good, the keypad will bee he relative signal strength above el and is displayed as a value
• Pressing the # key will allow you to select another zone. Pressing the "Off" key exits the test mode.	
5.4 Removing RF Zones (and RF Keypads)	
Removing RF zones is a two step process. First, the zone must be removed from the receiver After the zone has been removed from the receiver you must then remove the zone from its zo 0278) by setting the appropriate zone programming address to 00. To remove an RF Keypad, us zone addresses for RF Keypads are already set to zero, they do not need to be changed.	er using the following procedur one programming address (016 se the following procedure. Since
From the RF Installer's Menu, select "Removing RF Zones" (selection 3).	Remove RF Zone? Press 3
• If no RF zones have been programmed or "Added," the following message will be displayed:	No RF Zones Press Off
• If there are RF zones that may be removed, the first available zone will be displayed:	Remove Zone ### Press #
• You may select the zone displayed or advance to another zone by pressing the "On" key. If the # key is selected at this time, the panel scans the receiver to remove the ID for the specified sensor. When completed, the display shows the following message:	Zone Removed ### Press #
• Pressing the # key at this time will present the next zone that can be removed. Press the "Off" key to	exit the Remove Zone mode.

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5.5 RF Zone Troubles

RF Zone Troubles will only appear on the display after a user code followed by [#] [8] [7] has been entered into the keypad.

One or more of the following messages will appear if there is a problem with a RF Zone:

- **Missing Zone** indicates that the sensor zone failed to receive a report from the sensor during the supervisory period of 4 or 12 hours.
- **Trouble Zone** indicates that the RF sensor has determined that there is some type of trouble with itself. Not all types of sensors have the capacity to report troubles.
- Zone Trouble may indicate a loop trouble condition.
- Tamper Zone indicates that the cover tamper has been violated on the sensor.
- Low Battery indicates that the sensor battery is low.

5.6 Receiver Trouble Displays

NOTE: Receiver #1 refers to the receiver with the lower zone numbers. Receiver #2 refers to the receiver with the upper zone numbers. Refer to the receiver's *Installation Guide* for additional information.

The Keypad displays may show the following receiver troubles:

- **RF Receiver Tamper** Indicates that one of the receiver's covers have been removed or tampered with. Receiver #1 refers to the receiver with the lower zone numbers.
- **RF Receiver Jammed** indicates that the receiver may be getting interference from outside sources. Such types of interference may be caused by older Cell Phones, multichannel cordless phones, some business/police/fire band radios and "Walkie Talkies." Receiver #1 refers to the receiver with the lower zone numbers.
- **RF Receiver Trouble** indicates that the receiver has not received any supervisory signals from any of the sensors during the supervision interval. Check the receiver antennas and test all the sensors. If the sensor tests are unsuccessful, then the problem is likely to be in the receiver. Receiver #1 refers to the receiver with the lower zone numbers.
- **RF Receiver Communications** indicates that the receiver is not communicating with the multiplex interface module at the control panel. Check for open, shorted, reversed or miswired connections between the multiplex interface module and the receiver. Be sure the receiver has +12 VDC power from the control panel. The multiplex module or the receiver may also be at fault.

Control Trouble Tamper RF Rcvr #

Missing Zone ###

(Zone Text)

Trouble Zone ###

(Zone Text)

Zone Trouble ### (Zone Text)

Tamper Zone ### (Zone Text)

Low Bat Zone ### (Zone Text)

Control Trouble Jammed RF Rcvr #

Control Trouble Trouble RF Rcvr #

Control Trouble Radio RX# Comm

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