

# DVS-1200 DVS-2400 DVS-2408

## PROGRAMMING KEY (For Version 1.9 Firmware)

# Linear

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### KEY FUNCTIONS DURING PROGRAMMING

= PROGRAM      = REMOVE  
 = STORE

### INSTALLATION INFORMATION

DATE: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 INSTALLER: \_\_\_\_\_

#### DEFAULT MASTER USER CODE AFTER A MASTER RESET OR ON FIRST-TIME POWER-UP

1 2 3 4

#### TELEPHONE NUMBER DELAYS AND SPECIAL CHARACTERS

- ADDS A 1-SECOND DELAY (START OR MIDDLE OF NUMBER)
- ADDS A POUND (#) CHARACTER (END OF NUMBER)
- ADDS A 5-SECOND DELAY (ANYWHERE IN NUMBER)
- ADDS A STAR (\*) CHARACTER (ANYWHERE IN NUMBER)

#### TO ENTER SETUP MODE FOR CHANGING ANY SYSTEM PROGRAMMING

START IN TEST  
 ↓  
  
 ↓  
 MASTER USER CODE  
 ↓  
  
 ↓  
 1 GONG & 5 BEEPS  
 ↓  
 SETUP MODE  
 PRESS THE OFF KEY FOR 3 SECONDS TO EXIT SETUP MODE

#### TO PROGRAM ANY SYSTEM STEP

START IN SETUP MODE  
 ↓  
 PROGRAM STEP #  
 ↓  
 PRESS HOME TO PROGRAM  
 ↓  
 ENTER NEW VALUE  
 ↓  
 1 BING  
 ↓  
 DONE

#### TO PROGRAM WIRELESS SENSORS INTO THE SYSTEM'S MEMORY

START IN SETUP MODE  
 ↓  
 NEW SENSOR NUMBER  
 ↓  
 (01-12) DVS-1200  
                                   (01-24) DVS-2400  
                                   (01-24) DVS-2408  
 ↓  
 ACTIVATE WIRELESS SENSOR  
 ↓  
 DONE

#### TO REMOVE WIRELESS SENSORS FROM THE SYSTEM'S MEMORY

START IN SETUP MODE  
 ↓  
 SENSOR NUMBER TO REMOVE  
 ↓  
 1 BING  
 ↓  
 DONE

STEP #	PROGRAMMING FUNCTION & DETAILS	RANGE	DEFAULT	NEW #
USER & ACCESS CODES	99 MASTER USER CODE	1-5 DIGITS	1234	
	93 RESTRICTED USER CODE #1	1-5 DIGITS	EMPTY	
	94 RESTRICTED USER CODE #2	1-5 DIGITS	EMPTY	
	95 RESTRICTED USER CODE #3	1-5 DIGITS	EMPTY	
	96 RESTRICTED USER CODE #4	1-5 DIGITS	EMPTY	
	97 RESTRICTED USER CODE #5	1-5 DIGITS	EMPTY	
	98 PAGE ALERT USER CODE	1-5 DIGITS	EMPTY	
	92 DURESS CODE	1-5 DIGITS	EMPTY	
	87 REMOTE ACCESS PASSWORD	6 DIGITS	987654	
CONTROL PANEL PROGRAMMING OPTIONS	25 ENTRY DELAY	20-255 SEC	30	
	26 EXIT DELAY	20-255 SEC	60	
	30 BURGLARY SIREN RUNOUT TIME	1-30 MIN	5	
	31 EMERGENCY SIREN RUNOUT TIME	1-30 MIN	5	
	32 FIRE SIREN RUNOUT TIME	1-30 MIN	5	
	40 AUTOMATION OUTPUT TIME (0 = TOGGLE)	0-2500SEC	0	
	50 REMOTE ARMING MODE (2 = HOME; 3 = AWAY)	2 OR 3	3	
	51 REMOTE DISARMING MODE (0 = OFF; 1 = CHIME)	0 OR 3	0	
	61 ENTRY DELAY BEEPS (0 = OFF; 1 = ON)	0 OR 1	1	
	62 EXIT DELAY BEEPS (0 = OFF; 1 = ON)	0 OR 1	1	
	63 SILENT BURGLARY ALARM (0 = AUDIBLE; 1 = SILENT)	0 OR 1	0	
	64 SILENT EMERGENCY ALARM (0 = AUDIBLE; 1 = SILENT)	0 OR 1	0	
	65 QUICK ARMING (0 = OFF; 1 = ON)	0 OR 1	1	
	66 AUTO RESTORE (0 = OFF; 1 = ON)	0 OR 1	0	
	67 AUTO BYPASS (0 = OFF; 1 = ON)	0 OR 1	0	
	68 AUTOMATION MODE ON ALARM (0 = FLASH; 1 = STEADY)	0 OR 1	0	
	69 AUTOMATION BING TONE (0 = OFF; 1 = ON)	0 OR 1	1	
	70 REMOTE ARM/DISARM CHIRP (0 = OFF; 1 = ON)	0 OR 1	1	
	71 AUTOMATION FLASHES AFTER ALARM (0 = NO; 1 = YES)	0 OR 1	0	
	72 AUTOMATION ON DURING ALARM (0 = NO; 1 = YES)	0 OR 1	0	
	73 AUTOMATION ON WHILE ARMED (0 = NO; 1 = YES)	0 OR 1	0	
	74 AUTOMATION ON DURING E/E DELAYS (0 = NO; 1 = YES)	0 OR 1	0	
	75 AUTOMATION OUTPUT POLARITY (0 = +/OFF; 1 = +/ON)	0 OR 1	1	

STEP #	PROGRAMMING FUNCTION & DETAILS	RANGE	DEFAULT	NEW #	
HARDWARE LOOPS	301 HARDWARE LOOP #1 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	302 HARDWARE LOOP #2 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	303 HARDWARE LOOP #3 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	304 HARDWARE LOOP #4 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	305 HARDWARE LOOP #5 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	306 HARDWARE LOOP #6 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	307 HARDWARE LOOP #7 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	308 HARDWARE LOOP #8 SENSOR NUMBER (DVS-2408 ONLY)	1 - 24	NONE		
	COMMUNICATOR	76 2-WAY AUDIO (0 = NO; 1 = LISTEN; 2 = MANUAL; 3 = AUTO)	0 - 3	0	
<b>78 VOICE RESPONSE (0 = NO; 1 = YES) NOT FOR DVS-1200</b>		0 OR 1	0		
100 REMOTE PROGRAMMING LOCK (0 = OFF; 1 = ON)		0 OR 1	0		
101 CALL LIMITER (0 = OFF; 1 = FIVE PER ARM)		0 OR 1	0		
103 DIALING DELAY (0 = 0 SEC DELAY; 1 = 30 SEC DELAY)		0 OR 1	0		
104 DIALING METHOD (0 = TONE; 1 = PULSE)		0 OR 1	0		
<b>107 COMMUNICATOR ENABLE (0 = OFF; 1 = ON)</b>		0 OR 1	0		
REPORTING OPTIONS		86 CALL ROUTING (0 = PRI/SEC; 1 = ALARMS ONLY PRI/SEC)	0 OR 1	0	
		<b>88 ACCOUNT NUMBER (UP TO 4 DIGITS)</b>	0 - 9	0000	
		<b>89 PRIMARY PHONE NUMBER (UP TO 20 DIGITS)</b>	0 - 9	EMPTY	
	90 SECONDARY PHONE # (UP TO 20 DIGITS)	0 - 9	EMPTY		
	91 SUPERVISORY PHONE # (UP TO 20 DIGITS)	0 - 9	EMPTY		
	105 REPORTING FORMAT (0 = 4x2; 1 = ADEMCO)	0 OR 1	0		
	108 REPORT SYSTEM TROUBLE (0 = NO; 1 = YES)	0 OR 1	0		
	110 REPORT FORCE ARMING (0 = NO; 1 = YES)	0 OR 1	0		
RPT. CODES	111 REPORT OPEN & CLOSE (0 = NO; 1 = YES; 2 = MSTR ONLY)	0 - 2	0		
	113 POINT ID REPORTING FOR 4x2 (0 = NO; 1 = YES)	0 OR 1	1		
	201 GENERAL FIRE REPORT CODE	0 - 99	1		
	202 GENERAL EMERGENCY REPORT CODE	0 - 99	2		
	203 GENERAL SILENT PANIC REPORT CODE	0 - 99	3		
	204 GENERAL BURGLARY REPORT CODE	0 - 99	4		
	206 GENERAL TROUBLE REPORT CODE	0 - 99	6		
SYS. RPT. CODES	258 FORCE ARMING REPORT CODE	0 - 99	65		
	259 DURESS REPORT CODE	0 - 99	66		
	261 SYSTEM FIRE REPORT CODE	0 - 99	68		
	262 SYSTEM EMERGENCY REPORT CODE	0 - 99	69		
	263 SYSTEM TEST/CANCEL REPORT CODE	0 - 99	70		
	264 SYSTEM LOW BATTERY RESTORAL REPORT CODE	0 - 99	71		
	266 SYSTEM LOW BATTERY REPORT CODE	0 - 99	73		

**NOTE:** The bold programming Steps 88, 89, & 107 should be set for proper Central Station communications. Step 78 should be set if a voice board is installed and voice response is required (DVS-2400 & DVS-2408 only).

**NOTE: The following open/close reporting codes are permanently assigned and cannot be changed.**

USER CODE	4x2 CLOSING (ARMING) CODE	4x2 OPENING (DISARMING) CODE	ADEMCO CLOSING (ARMING) CODE	ADEMCO OPENING (DISARMING) CODE
MASTER	74	82	CLOSE U000	OPEN U000
RESTRICTED #1	75	83	CLOSE U001	OPEN U001
RESTRICTED #2	76	84	CLOSE U002	OPEN U002
RESTRICTED #3	77	85	CLOSE U003	OPEN U003
RESTRICTED #4	78	86	CLOSE U004	OPEN U004
RESTRICTED #5	79	87	CLOSE U005	OPEN U005
PAGE ALERT	80		CLOSE U006	
REMOTE ARM	81		R407 U007	
REMOTE DISARM		89		E407 U007

STEP #	PROGRAMMING FUNCTION & DETAILS	RANGE	DEFAULT	NEW #
210	SENSOR 1 ALARM REPORT CODE	0 - 99	11	
211	SENSOR 2 ALARM REPORT CODE	0 - 99	12	
212	SENSOR 3 ALARM REPORT CODE	0 - 99	13	
213	SENSOR 4 ALARM REPORT CODE	0 - 99	14	
214	SENSOR 5 ALARM REPORT CODE	0 - 99	15	
215	SENSOR 6 ALARM REPORT CODE	0 - 99	16	
216	SENSOR 7 ALARM REPORT CODE	0 - 99	17	
217	SENSOR 8 ALARM REPORT CODE	0 - 99	18	
218	SENSOR 9 ALARM REPORT CODE	0 - 99	19	
219	SENSOR 10 ALARM REPORT CODE	0 - 99	20	
220	SENSOR 11 ALARM REPORT CODE	0 - 99	21	
221	SENSOR 12 ALARM REPORT CODE	0 - 99	22	
222	SENSOR 13 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	23	
223	SENSOR 14 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	24	
224	SENSOR 15 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	25	
225	SENSOR 16 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	26	
226	SENSOR 17 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	27	
227	SENSOR 18 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	28	
228	SENSOR 19 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	29	
229	SENSOR 20 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	30	
230	SENSOR 21 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	31	
231	SENSOR 22 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	32	
232	SENSOR 23 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	33	
233	SENSOR 24 ALARM REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	34	
234	SENSOR 1 TROUBLE REPORT CODE	0 - 99	41	
235	SENSOR 2 TROUBLE REPORT CODE	0 - 99	42	
236	SENSOR 3 TROUBLE REPORT CODE	0 - 99	43	
237	SENSOR 4 TROUBLE REPORT CODE	0 - 99	44	
238	SENSOR 5 TROUBLE REPORT CODE	0 - 99	45	
239	SENSOR 6 TROUBLE REPORT CODE	0 - 99	46	
240	SENSOR 7 TROUBLE REPORT CODE	0 - 99	47	
241	SENSOR 8 TROUBLE REPORT CODE	0 - 99	48	
242	SENSOR 9 TROUBLE REPORT CODE	0 - 99	49	
243	SENSOR 10 TROUBLE REPORT CODE	0 - 99	50	
244	SENSOR 11 TROUBLE REPORT CODE	0 - 99	51	
245	SENSOR 12 TROUBLE REPORT CODE	0 - 99	52	
246	SENSOR 13 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	53	
247	SENSOR 14 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	54	
248	SENSOR 15 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	55	
249	SENSOR 16 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	56	
250	SENSOR 17 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	57	
251	SENSOR 18 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	58	
252	SENSOR 19 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	59	
253	SENSOR 20 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	60	
254	SENSOR 21 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	61	
255	SENSOR 22 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	62	
256	SENSOR 23 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	63	
257	SENSOR 24 TROUBLE REPORT CODE <b>NOT FOR DVS-1200</b>	0 - 99	64	

USE THIS PROCEDURE TO CHANGE A SENSORS ZONE FROM ONE TYPE TO ANOTHER (PERIMETER TO INTERIOR, PANIC TO EMERGENCY, ETC.)

TO RESET THE SYSTEM TO THE FACTORY DEFAULTS  
 START IN SETUP MODE  
 ↓  
 9 999  
 ↓  
 9 999 STEP #999 FOR MASTER RESET  
 ↓  
 9 999  
 ↓  
 TEST PRESS TEST  
 ↓  
 9 999 ENTER 999 TO OK THE MASTER RESET  
 ↓  
 9 999  
 ↓  
 TEST PRESS TEST, 1 BING SOUNDS, WAIT ABOUT 10 SECONDS  
 ↓  
 9 999  
 ↓  
 DONE

**WARNING!**  
 THIS MASTER RESET PROCEDURE WILL ERASE ALL PROGRAMMED SENSORS AND RETURN ALL PROGRAMMING VALUES TO THE FACTORY DEFAULTS

TO CHANGE A SENSORS TYPE  
 START IN SETUP MODE  
 ↓  
 0 SENSOR NUMBER FOR TYPE CHANGE  
 ↓  
 0 0 0 0  
 ↓  
 0 0 0 0 SENSOR TYPE NUMBER  
 ↓  
 0 0 0 0 1 BING  
 ↓  
 DONE

SENSOR ZONE TYPE		TYPE #
SENSOR TYPES	AUTOMATION	1
	EMERGENCY	2
	PANIC	3
	FIRE	4
	PERIMETER	5
	EXIT/ENTRY	6
	INTERIOR	7
	CHIME	8
	2-BUTTON ARM/DISARM (LEFT); 2-BUTTON AUTOMATION (RIGHT)	9
	2-BUTTON ARM (LEFT); 2-BUTTON DISARM (RIGHT)	10
	ENVIRONMENTAL	11

SENSOR SUPERVISORY TYPE		TYPE #
SS TYPE	NON-SUPERVISED	16
	SUPERVISED	17
	MANUAL RESTORING	18
	AUTO RESTORING	19

**NOTE: The following Ademco reporting codes are permanently assigned and cannot be changed.**

EVENT		EVENT QUALIFIER	EVENT CODE	ZONE/USER #'S
ADEMCO CONTACT ID REPORTING CODES	SYSTEM FIRE	E	110	25
	SENSOR SMOKE	E	111	1 - 24
	DURESS	E	121	0
	BURGLARY	E	130	1 - 24
	SYSTEM EMERGENCY	E	120	26
	AUDIBLE PANIC	E	120	1 - 24
	SILENT PANIC	E	122	1 - 24
	SYSTEM LOW BATTERY	E = LOW	302	0
	SYSTEM LOW BATTERY RESTORAL	R = RESTORE	302	0
	SENSOR LOW BATTERY	E	384	1 - 24
ADEMCO CONTACT ID REPORTING CODES	SUPERVISORY TROUBLE	E	381	1 - 24
	OPEN BY USER	E = OPEN	401	0 - 6
	REMOTE DISARM	E = OPEN	407	7
	CLOSE BY USER	R = CLOSE	401	0 - 6
	REMOTE OR QUICK ARM	R = CLOSE	407	7
	CANCEL BY USER	E	406	0
	FORCE ARM	E	574	0
	2-WAY AUDIO	E	606	0