

PROGRAMMING WORK SHEET

[01] 1ST PHONE NUMBER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(enter [0] for digit 0 in phone number)

(enter [*4*] (HEX D) for additional dial tone detection between phone number digits as in local PBX systems)

(be sure to enter [#] to end number)

[02] 1ST CUSTOMER ACCOUNT CODE

--	--	--	--

(for 3 digit code enter [0] for last digit)

(enter [*1*] (HEX A) for digit 0 in account code)

[03] 2ND PHONE NUMBER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

[04] 2ND CUSTOMER ACCOUNT CODE

--	--	--	--

NOT REQUIRED WHEN USING
A SINGLE SYSTEM

[05] ZONES 1 TO 8 ALARM REPORTING CODES

ZONE 1 ALARM

ZONE 2 ALARM

ZONE 3 ALARM

ZONE 4 ALARM

ZONE 5 ALARM

ZONE 6 ALARM

ZONE 7 ALARM

ZONE 8 ALARM

(for single digit reporting codes

enter [0] as 2nd digit)

(enter [*1*] (HEX A) to transmit a 0
a 0 digit is 10 pulses)

[06] ZONES 1 TO 8 RESTORAL REPORTING CODES

ZONE 1 ALARM

ZONE 2 ALARM

ZONE 3 ALARM

ZONE 4 ALARM

ZONE 5 ALARM

ZONE 6 ALARM

ZONE 7 ALARM

ZONE 8 ALARM

[07] UTILITY ALARM REPORTING CODES

FIRE ZONE*

AUXILIARY INPUT ZONE*

BATTERY TROUBLE**

AC FAILURE TROUBLE**

FOIL ZONE(S) TROUBLE**

BELL CIRCUIT TROUBLE**

FIRE ZONE TROUBLE**

AUX POWER SUPPLY TROUBLE**

* Priority alarms/restoral

** Maintenance alarms/restoral
see section [27]

[08] UTILITY RESTORAL REPORTING CODES

FIRE ZONE*
 AUXILIARY INPUT ZONE*
 BATTERY TROUBLE**
 AC FAILURE TROUBLE**
 FOIL ZONE(S) TROUBLE**
 BELL CIRCUIT TROUBLE**
 FIRE ZONE TROUBLE**
 AUX POWER SUPPLY TROUBLE**

* Priority alarms/restoral
 ** Maintenance alarms/restoral
 see section [27]

[09] CLOSING (ARMING) REPORTING CODES FOR ACCESS CODES 1 TO 8

ACCESS CODE 1
 ACCESS CODE 2
 ACCESS CODE 3
 ACCESS CODE 4
 ACCESS CODE 5
 ACCESS CODE 6
 ACCESS CODE 7
 ACCESS CODE 8

[10] OPENING (DISARMING) REPORTING CODES FOR ACCESS CODES 1 TO 8

ACCESS CODE 1
 ACCESS CODE 2
 ACCESS CODE 3
 ACCESS CODE 4
 ACCESS CODE 5
 ACCESS CODE 6
 ACCESS CODE 7
 ACCESS CODE 8

[11] MISCELLANEOUS FUNCTIONS REPORTING CODES

PARTIAL CLOSING***
 KEYPAD PANIC ALARM [*][#]*
 KEYPAD FIRE ALARM [1][3]*
 KEYPAD EMERGENCY ALARM [4][6]*
 KEYPAD PANIC RESTORAL [*][#]*
 KEYPAD FIRE RESTORAL [1][3]*
 KEYPAD EMERGENCY RESTORAL [4][6]*
 PERIODIC TEST TRANSMISSION**

* Priority alarms/restoral
 ** Maintenance alarms/restoral
 see section [27]
 ***Transmission reports with
 section [9] & [10] (openings
 closings)

[12] ZONE DEFINITIONS FOR ZONES 1 TO 8

ZONE 1		
ZONE 2		
ZONE 3		
ZONE 4		
ZONE 5		
ZONE 6		
ZONE 7		
ZONE 8		

1ST DIGIT
 0= SLOW, AUDIBLE
 #1= SLOW, SILENT
 2= FAST, AUDIBLE
 #3= FAST, SILENT

2ND DIGIT
 0= DELAY
 1= INSTANT
 2= INTERIOR
 3= INTERIOR... HOME/AWAY
 4= 24HR... BELL
 5= 24HR... BELL/BUZZER
 #6= 24HR... BUZZER
 7= DOUBLE DELAY
 8= 4x DELAY
 9= FOIL

* The maximum delays allowed for U.L. installations are: Entry delay = 45 sec.
 Exit delay = 60"
 # Not allowed for U.L. Local installations

FACTORY
 PROGRAMMED
 (DEFAULT)

ZONE	
1	0 0
2	0 1
3	0 1
4	0 1
5	0 2
6	0 2
7	0 2
8	0 4

[13] 1ST SYSTEM OPTION CODE

ZONE LIGHT 1	
ZONE LIGHT 2	
ZONE LIGHT 3	
ZONE LIGHT 4	
ZONE LIGHT 5	
ZONE LIGHT 6	
ZONE LIGHT 7	
ZONE LIGHT 8	

ZONE LIGHT ON	ZONE LIGHT OFF	
DISABLE COMMUNICATIONS	ENABLE COMMUNICATIONS	OFF
RESTORE ON BELL TIMEOUT	RESTORE ON DISARM	OFF
DISPLAY ZONE/PANEL ARMED	OPTION OFF	OFF
DTMF DIALING	PULSE DIALING	OFF
N/C LOOPS	EOL RESISTORS LOOPS	OFF
KEYPAD PANIC AUDIBLE [*][#]	SILENT	OFF
CALL 1ST PHONE ONLY	BACK UP TO 2ND PHONE	ON
8TH CODE - MAID'S CODE	NORMAL CODE	OFF

[14] 2ND SYSTEM OPTION CODE

ZONE LIGHT 1	
ZONE LIGHT 2	
ZONE LIGHT 3	
ZONE LIGHT 4	
ZONE LIGHT 5	
ZONE LIGHT 6	
ZONE LIGHT 7	
ZONE LIGHT 8	

ZONE LIGHT ON	ZONE LIGHT OFF	
50 Hz.	60 Hz.	OFF
FIXED MASTER	CHANGEABLE MASTER	OFF
BELL SQUAWK ON	BELL SQUAWK OFF	OFF
OUTPUT MODULE ACTIVE	OFF	OFF
TLM SILENT	TLM AUDIBLE	OFF
1400 Hz RADIONICS	2300Hz RADIONICS	OFF
TLM DISABLED (1)	TLM ENABLED	OFF
USER CODE REQ'D FOR SHUNT	USER CODE NOT REQ'D	OFF

(1) If this equipment is not connected to a telephone line then TLM should be disabled.

[15] ZONES 1 TO 8 BY-PASS (SHUNT) MASK

ZONE LIGHT 1	
ZONE LIGHT 2	
ZONE LIGHT 3	
ZONE LIGHT 4	
ZONE LIGHT 5	
ZONE LIGHT 6	
ZONE LIGHT 7	
ZONE LIGHT 8	

(IF ZONE LIGHT IS ON, THE ZONE CAN BE BY-PASSED USING THE [*][1] COMMAND)

ZONE LIGHT	
1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON

[16] SYSTEM TIMES

ENTRY DELAY TIME (IN SECONDS)
 EXIT DELAY TIME (IN SECONDS)
 BELL CUT-OFF TIME (IN MINUTES)
 AC FAILURE TRANSMISSION DELAY (IN MINUTES)
 NORMAL LOOP RESPONSE TIME (X 10 MSEC)
 TEST TRANSMISSION CYCLE TIME (IN DAYS)

(VALID ENTRIES ARE 01 TO 99)

3	0
4	5
0	4
0	1
1	0
0	1

[17] SYSTEM CLOCK TIMES

AUTOMATIC ARMING TIME OF DAY
TEST TRANSMISSION TIME OF DAY

ENTER 4 DIGITS: 00 TO 23
FOR HOURS FOLLOWED BY
00 TO 59 FOR MINUTES)

[18] NEW INSTALLER'S CODE

--	--	--	--

2 5 0 0

[19] NEW MASTER CODE

--	--	--	--

1 2 3 4

[20] FOR FUTURE USE

ENTER 4 DIGITS FROM 0 TO 9 DO NOT ENTER [*] OR [#]

[21] COMMUNICATION FORMAT OPTIONS

1ST TELEPHONE NUMBER

☐

1

2ND TELEPHONE NUMBER

☐

1

ENTER ONE HEX DIGIT FROM [0] TO [F] FOR EACH PHONE NUMBER FROM LIST:

[0] SILENT KNIGHT / ADEMCO SLOW, 10 BPS (1400 Hz HANDSHAKE) 3/1 AND 4/2 NON EXTENDED FORMAT

[1] SESCOA, FRANKLIN, DCI, VERTEX, 20BPS (2300 Hz HANDSHAKE) 3/1 AND 4/2 NON EXTENDED FORMAT

[2] SILENT KNIGHT FAST, 20 BPS (1400 Hz HANDSHAKE) 3/1 AND 4/2 NON EXTENDED FORMAT

[3] RADIONICS (2300/1400 Hz HANDSHAKE) 3/1, 4/2 NON EXTENDED FORMAT

[4] RADIONICS (2300/1400 Hz HANDSHAKE) 3/1, 4/2 NON EXTENDED WITH PARITY FORMAT

[5] NOT USED

[6] NOT USED

[7] FOR FUTURE USE

[8] SILENT KNIGHT / ADEMCO SLOW, 10BPS (1400 Hz HANDSHAKE) 3/1 EXTENDED FORMAT

[9] SESCOA, FRANKLIN, DCI, VERTEX, 20BPS (2300 Hz HANDSHAKE) 3/1 EXTENDED FORMAT

[A] SILENT KNIGHT FAST, 20 BPS (1400 Hz HANDSHAKE) 3/1 EXTENDED FORMAT

[B] RADIONICS, (2300/1400 Hz HANDSHAKE) 3/1 EXTENDED FORMAT

[C] RADIONICS, (2300/1400 Hz HANDSHAKE) 3/1 AND 4/1 EXTENDED WITH PARITY FORMAT

[D] FOR FUTURE USE

[E] FOR FUTURE USE

[F] FOR FUTURE USE

[22] PROGRAMMABLE INPUT AND OUTPUT OPTIONS

AUXILIARY INPUT ZONE

☐

ENTER 1, 2 OR 3 FOR OPTIONS BELOW

2

[1] SILENT 24 HOUR INPUT 1, 2 OR 3 ARE THE

[2] AUDIBLE 24 HOUR INPUT ONLY VALID ENTRIES

[3] MOMENTARY KEY ARMING

PROGRAMMABLE OUTPUT

☐

ENTER 1 TO HEX B FOR OPTIONS BELOW

6

[1] GROUND START PULSE

[2] UTILITY OUTPUT NO ACCESS CODE

[3] UTILITY OUTPUT ANY ACCESS CODE

[4] UTILITY OUTPUT GROUP A ACCESS CODE

[5] UTILITY OUTPUT GROUP B ACCESS CODE

[6] KEYPAD BUZZER FOLLOW MODE

[7] SYSTEM STATUS (ARM/DISARM) OUTPUT

[8] STROBE OUTPUT (LATCHED ALARM OUTPUT)

[9] FAILURE TO COMMUNICATE OUTPUT

1 THROUGH 9
ARE THE ONLY
VALID ENTRIES

NOTE: SECTIONS [23] - [27] ARE USED FOR SPLIT-ARMING/REPORTING ONLY.
SECTIONS [23] - [26] MUST ALL BE ON FOR A SINGLE SYSTEM.

FACTORY
PROGRAMMED
(DEFAULT)

[23] ZONE GROUP A ASSIGNMENT

ZONE LIGHT 1	<input type="checkbox"/>
ZONE LIGHT 2	<input type="checkbox"/>
ZONE LIGHT 3	<input type="checkbox"/>
ZONE LIGHT 4	<input type="checkbox"/>
ZONE LIGHT 5	<input type="checkbox"/>
ZONE LIGHT 6	<input type="checkbox"/>
ZONE LIGHT 7	<input type="checkbox"/>
ZONE LIGHT 8	<input type="checkbox"/>

IF ZONE LIGHT IS ON THAT ZONE IS
ASSIGNED TO GROUP A

NOTE: IF ZONE IS NOT ASSIGNED
TO GROUP A OR B
NO TRANSMISSION WILL BE SENT.

1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON

[24] ZONE GROUP B ASSIGNMENT

ZONE LIGHT 1	<input type="checkbox"/>
ZONE LIGHT 2	<input type="checkbox"/>
ZONE LIGHT 3	<input type="checkbox"/>
ZONE LIGHT 4	<input type="checkbox"/>
ZONE LIGHT 5	<input type="checkbox"/>
ZONE LIGHT 6	<input type="checkbox"/>
ZONE LIGHT 7	<input type="checkbox"/>
ZONE LIGHT 8	<input type="checkbox"/>

IF ZONE LIGHT IS ON THAT ZONE IS
ASSIGNED TO GROUP B

1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON

[25] ACCESS CODE GROUP A ASSIGNMENT

ZONE LIGHT 1	<input type="checkbox"/>
ZONE LIGHT 2	<input type="checkbox"/>
ZONE LIGHT 3	<input type="checkbox"/>
ZONE LIGHT 4	<input type="checkbox"/>
ZONE LIGHT 5	<input type="checkbox"/>
ZONE LIGHT 6	<input type="checkbox"/>
ZONE LIGHT 7	<input type="checkbox"/>
ZONE LIGHT 8	<input type="checkbox"/>

IF ZONE LIGHT IS ON THAT ACCESS CODE
IS ASSIGNED TO GROUP A

NOTE: IF ACCESS CODE IS NOT ASSIGNED
TO GROUP A OR B OPENING AND CLOSING
SIGNAL WILL NOT BE SENT.

1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON

[26] ACCESS CODE GROUP B ASSIGNMENT

ZONE LIGHT 1	<input type="checkbox"/>
ZONE LIGHT 2	<input type="checkbox"/>
ZONE LIGHT 3	<input type="checkbox"/>
ZONE LIGHT 4	<input type="checkbox"/>
ZONE LIGHT 5	<input type="checkbox"/>
ZONE LIGHT 6	<input type="checkbox"/>
ZONE LIGHT 7	<input type="checkbox"/>
ZONE LIGHT 8	<input type="checkbox"/>

IF ZONE LIGHT IS ON THAT ACCESS CODE
IS ASSIGNED TO GROUP B

1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON

[27] COMMUNICATOR CALL DIRECTION OPTIONS

ZONES GROUP A ALARMS AND RESTORALS	<input type="checkbox"/>
ZONES GROUP B ALARMS AND RESTORALS	<input type="checkbox"/>
ACCESS CODES GROUP A OPENINGS AND CLOSINGS	<input type="checkbox"/>
ACCESS CODES GROUP B OPENINGS AND CLOSINGS	<input type="checkbox"/>
PRIORITY ALARMS AND RESTORALS	<input type="checkbox"/>
MAINTENANCE ALARMS AND RESTORALS	<input type="checkbox"/>

1
1
1
1
1
1

ENTER:

- [1] Call 1st phone number back up to 2nd (becomes 1st number only when section [13] item [7] is on)
- [2] Call 2nd phone number only
- [3] Always call both phone numbers

[28] RESET EEPROM MEMORY TO FACTORY DEFAULTS

[50] EEPROM COPY FUNCTION

NOTE: The EEPROM copy function will copy all data programmed into the PC2500
except for additional user codes programmed.