

PROGRAMMING WORK SHEET

[01] 1ST PHONE NUMBER

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(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

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

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

[03] 2ND PHONE NUMBER

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[04] 2ND CUSTOMER ACCOUNT CODE

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

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 ON	ZONE LIGHT OFF	
ZONE LIGHT 1	<input type="checkbox"/>	DISABLE COMMUNICATIONS	ENABLE COMMUNICATIONS	OFF
ZONE LIGHT 2	<input type="checkbox"/>	RESTORE ON BELL TIMEOUT	RESTORE ON DISARM	OFF
ZONE LIGHT 3	<input type="checkbox"/>	DISPLAY ZONE/PANEL ARMED	OPTION OFF	OFF
ZONE LIGHT 4	<input type="checkbox"/>	DTMF DIALING	PULSE DIALING	OFF
ZONE LIGHT 5	<input type="checkbox"/>	N/C LOOPS	EOL RESISTORS LOOPS	OFF
ZONE LIGHT 6	<input type="checkbox"/>	KEYPAD PANIC AUDIBLE [*][#]	SILENT	OFF
ZONE LIGHT 7	<input type="checkbox"/>	CALL 1ST PHONE ONLY	BACK UP TO 2ND PHONE	ON
ZONE LIGHT 8	<input type="checkbox"/>	8TH CODE - MAID'S CODE	NORMAL CODE	OFF

[14] 2ND SYSTEM OPTION CODE

		ZONE LIGHT ON	ZONE LIGHT OFF	
ZONE LIGHT 1	<input type="checkbox"/>	50 Hz.	60 Hz.	OFF
ZONE LIGHT 2	<input type="checkbox"/>	FIXED MASTER	CHANGEABLE MASTER	OFF
ZONE LIGHT 3	<input type="checkbox"/>	BELL SQUAWK ON	BELL SQUAWK OFF	OFF
ZONE LIGHT 4	<input type="checkbox"/>	OUTPUT MODULE ACTIVE	OFF	OFF
ZONE LIGHT 5	<input type="checkbox"/>	TLM SILENT	TLM AUDIBLE	OFF
ZONE LIGHT 6	<input type="checkbox"/>	1400 Hz RADIONICS	2300Hz RADIONICS	OFF
ZONE LIGHT 7	<input type="checkbox"/>	TLM DISABLED (1)	TLM ENABLED	OFF
ZONE LIGHT 8	<input type="checkbox"/>	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	<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, 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)

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

(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

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2 5 0 0

[19] NEW MASTER CODE

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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
- 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 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
- 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 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
- 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 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
- 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 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
- ZONES GROUP B ALARMS AND RESTORALS
- ACCESS CODES GROUP A OPENINGS AND CLOSINGS
- ACCESS CODES GROUP B OPENINGS AND CLOSINGS
- PRIORITY ALARMS AND RESTORALS
- MAINTENANCE ALARMS AND RESTORALS

- 1 1
- 1 1
- 1 1
- 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.