# PROGRAMMING WORK SHEET

NOTE: IN SECTIONS [01] THRU [15]
DO NOT ENTER ANY DATA IN
SECTIONS THAT ARE NOT USED

[01] 1ST PHONE NUMBER	SECTIONS THAT ARE NOT USED
(enter [0] for digit 0 in phone number) (enter [*4*] (HEX D) for additional dial (be sure to enter [#] to end number)	tone detection between phone number digits as in local PBX systems
[02] 1ST CUSTOMER ACCOUN	T CODE
(for 3 digit code enter (enter [*1*] (HEX A) for	[0] for last digit) r digit 0 in account code)
[03] 2ND PHONE NUMBER	
[04] 2ND CUSTOMER ACCOUN	IT CODE
[05] ZONES 1 TO 8 ALARM RE	PORTING 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 9 TO 16 ALARM RI	EPORTING CODES
ZONE 9 ALARM ZONE 10 ALARM ZONE 11 ALARM ZONE 12 ALARM ZONE 13 ALARM ZONE 14 ALARM ZONE 15 ALARM ZONE 16 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)
[07] 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	

## [08] ZONES 9 TO 16 RESTORAL REPORTING CODES **ZONE 9 ALARM ZONE 10 ALARM** ZONE 11 ALARM ZONE 12 ALARM **ZONE 13 ALARM ZONE 14 ALARM** ZONE 15 ALARM ZONE 16 ALARM [09] UTILITY ALARM REPORTING CODES FIRE ZONE\* AUXILIARY INPUT ZONE\* BATTERY TROUBLE\*\* AC FAILURE TROUBLE\*\* FOIL ZONE(S) TROUBLE\*\* Priority alarms/restoral BELL CIRCUIT TROUBLE\*\* \*\* Maintenance alarms/restoral FIRE ZONE TROUBLE\*\* see section [33] AUX POWER SUPPLY TROUBLE\*\* [10] UTILITY RESTORAL REPORTING CODES FIRE ZONE\* AUXILIARY INPUT ZONE\* BATTERY TROUBLE\*\* AC FAILURE TROUBLE\*\* FOIL ZONE(S) TROUBLE\*\* \* Priority alarms/restoral BELL CIRCUIT TROUBLE\*\* \*\* Maintenance alarms/restoral FIRE ZONE TROUBLE\*\* see section [33] AUX POWER SUPPLY TROUBLE\*\* [11] 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 7 ACCESS CODE 8

[12] CLOSING (ARMING) REPORTING CO	DDES FOR ACCESS CODES 9 TO 16
ACCESS CODE 9 ACCESS CODE 10 ACCESS CODE 11 ACCESS CODE 12 ACCESS CODE 13 ACCESS CODE 14 ACCESS CODE 15 ACCESS CODE 16	
[13] OPENING (DISARMING) REPORTING	GODES FOR ACCESS CODES 1 10 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	
[14] OPENING (DISARMING) REPORTING	G CODES FOR ACCESS CODES 9 TO 16
ACCESS CODE 9 ACCESS CODE 10 ACCESS CODE 11 ACCESS CODE 12 ACCESS CODE 13 ACCESS CODE 14 ACCESS CODE 15 ACCESS CODE 16	ORTING CODES
PARTIAL CLOSING***  KEYPAD PANIC ALARM [P]*  KEYPAD FIRE ALARM [F]*  KEYPAD EMERGENCY ALARM [A]*  KEYPAD PANIC RESTORAL [P]*  KEYPAD FIRE RESTORAL [F]*  KEYPAD EMERGENCY RESTORAL [A]*  PERIODIC TEST TRANSMISSION**	* Priority alarms/restoral  ** Maintenance alarms/restoral see section [33]  ***Transmission reports with section [11] & [14] (openings closings)

#### **FACTORY** [16] ZONE DEFINITIONS FOR ZONES 1 TO 8 **PROGRAMMED** (DEFAULT) **1ST DIGIT** 2ND DIGIT ZONE 1 **ZONE 2** 0= SLOW, AUDIBLE 0 0 0= DELAY 1= INSTANT 0 1 ZONE 3 1= SLOW, SILENT **ZONE 4** 2= FAST, AUDIBLE 2= INTERIOR 0 1 **ZONE 5** 3= FAST, SILENT 3= INTERIOR... HOME/AWAY 0 1 4= 24HR...BELL 0 1 ZONE 6 ZONE 7 5= 24HR...BELL/BUZZER 0 1 **ZONE 8** 6= 24HR...BUZZER 0 1 ō 7= DOUBLE DELAY ī 8= 4x DELAY 9= FOIL [17] ZONE DEFINITIONS FOR ZONES 9 TO 16 ZONE 9 **1ST DIGIT** 2ND DIGIT 0= SLOW, AUDIBLE 0 ZONE 10 0= DELAY 1 ZONE 11 1= SLOW, SILENT 1= INSTANT 0 1 NOTE..... ZONE 12 2= INTERIOR 0 1 ZONE 13 ZONES 9 - 16 CANNOT BE 3= INTERIOR... HOME/AWAY 0 1 ZONE 14 PROGRAMMED FOR FAST 4= 24HR...BELL 0 1 ZONE 15 5= 24HR...BELL/BUZZER RESPONSE - DO NOT USE ō 1 ZONE 16 **FAST RESPONSE DEVICES** 6= 24HR...BUZZER 0 1 ON THESE LOOPS. 7= DOUBLE DELAY 0 1 8= 4x DELAY (eg. Vibration Detectors) 9= FOIL [18] 1ST SYSTEM OPTION CODE ZONE LIGHT ON ZONE LIGHT OFF ZONE LIGHT 1 COMMUNICATION DISABLED COMMUNICATION ENABLED OFF **ZONE LIGHT** 2 RESTORALS ON BELL TIMEOUT RESTORALS ON DISARMING **OFF** ZONE LIGHT ALARM DISPLAY WHILE ARMED OFF 3 NO ALARM DISPLAY/ARMED PULSE DIALING ZONE LIGHT 4 DTMF DIALING OFF ZONE LIGHT 5 N/C LOOPS **EOL RESISTORS LOOPS** OFF ZONE LIGHT 6 KEYPAD [P]ANIC AUDIBLE SILENT ON CALL 1ST PHONE ONLY BACK UP TO 2ND PHONE **ZONE LIGHT** 7 OFF 16TH CODE = MAID'S CODE ZONE LIGHT 8 NORMAL CODE OFF [19] 2ND SYSTEM OPTION CODE ZONE LIGHT ON ZONE LIGHT OFF ZONE LIGHT 1 SEND OPENING AFTER ALARM SEND OPENING NORMALLY OFF MASTER CODE NOT CHANGEABLE MASTER CODE CHANGEABLE ZONE LIGHT 2 OFF **ZONE LIGHT** 3 **BELL SQUAWK ENABLED (1)** BELL SQUAWK DISABLED OFF PC16 OUT ENABLED ZONE LIGHT PC16 OUT DISABLED 4 **OFF** ZONE LIGHT 5 TLM TROUBLE ONLY NORMAL OFF ZONE LIGHT 6 1400Hz RADIONICS 2300Hz RADIONICS OFF TLM DISABLED TLM ENABLED OFF ZONE LIGHT 7 ZONE LIGHT 8 USER CODE REQ'D FOR SHUNT USER CODE NOT REQ'D OFF (1) WITH BELL SQUAWK ENABLED - the siren/bell will sound one

[20] ZONES 1 TO 8 BY-PASS (SHUNT) MASK	PROGRAMMED (DEFAULT)
ZONE LIGHT 1 ZONE LIGHT 2 IF ZONE LIGHT IS ON, ZONE LIGHT 3 ZONE LIGHT 4 ZONE LIGHT 5 ZONE LIGHT 5 ZONE LIGHT 6 ZONE LIGHT 7 ZONE LIGHT 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
[21] ZONES 9 TO 16 BY-PASS (SHUNT) MASK	
ZONE LIGHT 1 ZONE LIGHT 2 IF ZONE LIGHT IS ON, ZONE LIGHT 3 ZONE LIGHT 4 ZONE LIGHT 5 ZONE LIGHT 6 ZONE LIGHT 7 ZONE LIGHT 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
[22] 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  * DO NOT ENTER  **OO" - IT IS NOT  A VALID ENTRY	5 0
[23] SYSTEM CLOCK TIMES	
AUTOMATIC ARMING TIME OF DAY AUTOMATIC DISARMING TIME OF DAY TEST TRANSMISSION TIME OF THE TRANSMISSION TIME OF THE TRANSMISSI	0 0 0 0 0 0 0 0 0 0 0 0
[24] NEW INSTALLER'S CODE [25] NEW MASTER CODE [26] DOWNLOADING ACCESS CODE [26] DOWNLOADING FROM 0 TO 9 DO NOT ENTER [*] OR [#])	3 0 0 0 1 2 3 4 3 0 3 0
[27] COMMUNICATOR FORMAT OPTIONS	
1ST TELEPHONE NUMBER IT IS NECESSARY TO PROGRAM FORMAT FOR BOTH NUMBERS.	1
ENTER ONE HEX DIGIT FROM [0] TO [F] FOR EACH PHONE NUMBER FROM LIST:	
<ul> <li>[0] SILENT KNIGHT/ADEMCO SLOW, 10 BPS (1400HZ HANDSHAKE) 3/1, 3/2 AND 4/1, 4/2 EXTENDED FORMAT</li> <li>[1] SESCOA, FRANKLIN, DCI, VERTEX, 20 BPS (2300HZ HANDSHAKE) 3/1, 3/2 AND 4/1, EXTENDED FORMAT</li> <li>[2] SILENT KNIGHT FAST, 20 BPS (1400HZ HANDSHAKE) 3/1, 3/2 AND 4/1, 4/2 NON EXTENDED FORMAT</li> <li>[3] RADIONICS, (2300/1400HZ* HANDSHAKE) 3/1, 4/2 NON EXTENDED FORMAT</li> <li>[4] RADIONICS, (2300/1400HZ* HANDSHAKE) 3/1, 4/2 NON EXTENDED WITH PARITY FOR SESCOA SUPER SPEED</li> </ul>	4/2 NON ENDED

**FACTORY** 

[9] SESCOA, FRANKLIN, DCI, VERTE) [A] SILENT KNIGHT FAST, 20 BPS (14 [B] RADIONICS, (2300/1400HZ* HAND	DSHAKE) 3/1 EXTENDED WITH PARITY FORMAT ENTIFIED OPENINGS/CLOSINGS)	
*SEE SECTION [19] FOR RADIONICS HAN	ISHAKE OPHON	CTORY GRAMMED
[28] PROGRAMMABLE INPUT AND O	UTPUT OPTIONS (DE	FAULT)
AUXILIARY INPUT ZONE ENTE	R 0, 1, 2 OR 3 FOR OPTIONS BELOW  [0] PRINTER ATTACHED  [1] SILENT 24 HOUR INPUT  [2] AUDIBLE 24 HOUR INPUT  [3] MOMENTARY KEY ARMING	2
PROGRAMMABLE OUTPUT ENTE	[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 [C] PRINTER ATTACHED	2
NOTE (1): IF A PRINTER IS ATTACHED TO THE 2ND DIGIT MUST BE ENTERED.	E PANEL, BOTH [0] FOR THE 1ST DIGIT AND [C] FOR THE	Ξ
NOTE: SECTIONS [29][33] ARE USED FOR S	SPLIT ARMING, OR SPLIT REPORTING ONLY.	
[29] 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.  ZONES 9 TO 16 ARE PERMANENTLY ASSIGNED TO GROUP A.	000000000000000000000000000000000000000
[30] 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	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

[31] ACCESS CODE GROUP A ASSIGNMENT	FACTORY PROGRAMMED (DEFAULT)
ZONE LIGHT 1 ZONE LIGHT 2 ZONE LIGHT 3 ZONE LIGHT 4 ZONE LIGHT 5 ZONE LIGHT 5 ZONE LIGHT 6 ZONE LIGHT 7 ZONE LIGHT 7 ZONE LIGHT 8  IF ZONE LIGHT IS ON, THAT ACCESS CODE IS ASSIGNED TO GROUP A NOTE: ACCESS CODES 9 THRU 16 ARE PERMANENTLY ASSIGNED TO GROUP A IF AN ACCESS CODE IS NOT ASSIGNED TO GROUP A OR B, OPENING AND CLOSING SIGNALS WILL NOT BE SENT FOR THAT CODE.	0
[32] ACCESS CODE GROUP B ASSIGNMENT	
ZONE LIGHT 1 IF ZONE LIGHT IS ON, THAT ACCESS CODE IS ASSIGNED TO GROUP B ZONE LIGHT 4 ZONE LIGHT 5 ZONE LIGHT 6 ZONE LIGHT 7 ZONE LIGHT 8	0
[33] 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
ENTER:	•
<ul> <li>[1] Call 1st phone number back up to 2nd (becomes 1st number only when section [18] if is on)</li> <li>[2] Call 2nd phone number only</li> <li>[3] Always call both phone numbers</li> </ul>	em [7]
[34] RESET EEPROM MEMORY TO FACTORY DEFAULTS [35] THROUGH [45] RESERVED FOR FUTURE USE	
[46] DOWNLOADING CALLBACK TELEPHONE NUMBER	
This telephone number is used by the panel to call the downloading computer at the Downloading request for access.	computer's
CALL BACK TELEPHONE NUMBER	
Enter [0] for digit '0' in the phone number	
Enter [*4*] for hex 'D' for additional dial tone detection phone number digits as in local PBX systems	between

ENTER [#] TO END THE TELEPHONE NUMBER ENTRY

### [47] MODEM CONFIGURATION

This section is used to set up the panel for downloading functions. The following table shows the ON/OFF patterns of zone lights 1 through 4 which are used to set the number of RINGS before the panel will answer a call from the downloading computer. The default setting is 12.

NUMBER														DEFAULT
OF RINGS -		1	2	3	4	5	6	7	8	9	10	11	12	SETTING
ZONE LIGHT	1	ON	OFF											
ZONE LIGHT	2	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	
ZONE LIGHT	3	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	
ZONE LIGHT	4	OFF	ON	ON	ON	ON	ON							

	ZONE LIGHT ON	ZONE LIGHT OFF	D	EFAULT
ZONE LIGHT 1 ZONE LIGHT 2 ZONE LIGHT 3 ZONE LIGHT 4	SET LIGHT PATTERNS FOR NUMBE THE ABOVE TABLE.	R OF RINGS AS DESCRIBED IN ER = 15 (ALL LIGHTS ON)		OFF OFF ON
ZONE LIGHT 5	DOWNLOADING ENABLED	DOWNLOADING DISABLED		OFF
ZONE LIGHT 6	USER INITIATED CALL UP	NO USER INITIATED CALL UP		OFF
ZONE LIGHT 7	ANSWERING MACHINE CONNECTED	NO ANSWERING MACHINE (1)		OFF
ZONE LIGHT 8	CALL BACK ENABLED	CALL BACK DISABLED		OFF

(1) If an answering machine is connected and zone light 7 is OFF, the panel will prevent messages from being received. If zone light 7 is ON, the panel will look at the line to see if a Downloading computer is calling and if it is not a Computer, the panel returns the line to the answering machine.

# [48] PANEL IDENTIFICATION CODE

[5 0 5 0] (Enter 4 digits from 0 to 9. DO NOT ENTER [\*] or [#].)

FACTORY DEFAULT

**FACTORY** 

### [49] PRINTER CONFIGURATION

	ZONE LIGHT ON	ZONE LIGHT OFF	
ZONE LIGHT 1	110 BAUD	NOT 110 BAUD	OF
ZONE LIGHT 2	300 BAUD	NOT 300 BAUD	OF
ZONE LIGHT 3	1200 BAUD	NOT 1200 BAUD	OF
ZONE LIGHT 4	2400 BAUD	NOT 2400 BAUD	01
<b>ZONE LIGHT 5</b>	PRINTER ONLY	PRINTER & NORM. COMMUNICATION	OF
ZONE LIGHT 6	SEE NOTE (1) BELOW	PRINTER & NORM, COMMUNICATION	OF
ZONE LIGHT 7	NOT USED	NOT USED	
ZONE LIGHT 8	NOT USED	NOT USED	

#### NOTE (1): IF ZONE LIGHT 6 IS ON AND ZONE LIGHT 5 IS OFF:

All items whose reporting codes are programmed for telephone #1 will be communicated to the monitoring station AND printed on the printer.

All items whose reporting codes are programmed for telephone #2 will NOT be communicated to the monitoring station but will be printed on the printer.

IF ZONE LIGHT 5 AND 6 ARE OFF:

All items whose reporting codes are programmed for telephone #1 or telephone #2 will be printed on the printer and communicated to the monitoring station.

IF ZONE LIGHT 5 IS ON:

All items whose reporting codes are programmed for telephone #1 or telephone #2 will be printed on the printer but will not be communicated to the monitoring station. In this case it is assumed that telephone lines are not connected. DO NOT disable the communicator. The 1st System Option Code, zone light [1] must be ON. To avoid TLM trouble, program 2nd System Option Code light [7] to be ON.

Only one zone light of zones 1, 2, 3, and 4 may be ON for correct baud rate section.

#### [50] EEPROM COPY FUNCTION

The EEPROM COPY FUNCTION will copy the following sections only.

- [05] Zone 1 to 8 alarm reporting codes
- [06] Zone 9 to 16 alarm reporting codes
- [07] Zones 1 to 8 restoral codes
- [08] Zones 9 to 16 restoral codes
- [10] Utility restoral codes
- [11] Closing (arming) reporting codes for access codes 1 to 8
- [12] Closing (arming) reporting codes for access codes 9 to 16
- [13] Opening (disarming) reporting codes for access codes 1 to 8
- [14] Opening (disarming) reporting codes for access codes 9 to 16
- [15] Miscellaneous function reporting codes
- [18] 1st system option codes
- [19] 2nd system option codes
- [22] System times
- [24] New installer's code
- [27] Communicator format options
- [46] Downloading callback telephone number

#### PRINTER SETUP

The PC3000 with ver. 7.0 or higher software is capable of outputting data to a local printer. The printer must be capable of serial communication (RS-232). The Brother model M-1109 is recommended.

#### PROGRAMMING FOR THE PRINTER

Enter the Installer's programming section. [\*]+[8]+[INSTALLER'S CODE]

Edit the following sections:

SECTION	PRINTER ONLY	MINITORED & PRINTER
[01] [02] [03]	DO NOT PROGRAM  1ST CUSTOMER ACCOUNT CODE DO NOT PROGRAM	1ST PHONE NUMBER 1ST CUSTOMER ACCOUNT CODE 2ND PHONE NUMBER. If this number is left unprogrammed and Section [19] zone light 4 is ON, this channel will only print on the printer.
[04] [05] TO [15]	DO NOT PROGRAM PROGRAM ALL SECTIONS	2ND CUSTOMER ACCOUNT CODE PROGRAM ALL SECTIONS THAT ARE
[65] 10 [15]	WHICH YOU WOULD LIKE PRINTED OUT	TO BE MONITORED
[16] TO [18]	PROGRAM NORMALLY	PROGRAM NORMALLY
[20] TO [27]	PROGRAM NORMALLY	PROGRAM NORMALLY
[28]	PROGRAM "0" (section [28])	PROGRAM "0" (section [28])
	PROGRAM "C" (section [28])	PROGRAM "C" (section [28])
[29] TO [32] [33]	PROGRAM NORMALLY DIRECT ALL TO 1ST TELEPHONE NUMBER	PROGRAM NORMALLY PROGRAM NORMALLY