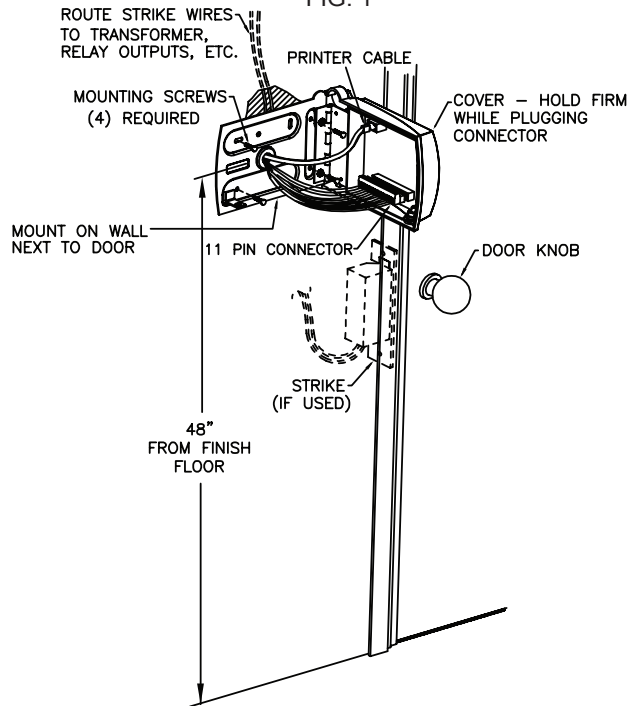# DETEX®

Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045
(830)629-2900 / 1-800-729-3839 / Fax (830)620-6711
E-MAIL: detex@detex.com   INTERNET: www.detex.com

INSTRUCTIONS FOR DTX1000, ACCESS CONTROL UNIT

MOUNTING INSTRUCTIONS
FIG. 1

ROUTE STRIKE WIRES TO TRANSFORMER, RELAY OUTPUTS, ETC.

PRINTER CABLE

MOUNTING SCREWS (4) REQUIRED

COVER — HOLD FIRM WHILE PLUGGING CONNECTOR

MOUNT ON WALL NEXT TO DOOR

11 PIN CONNECTOR

DOOR KNOB

STRIKE (IF USED)

48" FROM FINISH FLOOR

WIRING INSTRUCTIONS
(Recommended wire size - #22 stranded)

T1 12VAC 25VA TRANSFORMER

POWER SWITCH

POWER INDICATOR

TELEPHONE JACK RS232 CONECTOR TO SERIAL PRINTER OR COMPUTER

J3 HEADER FOR CARD READER

PROGRAM SWITCH

12VAC
12VAC
GND
DOOR SW
DOOR SW
BY PASS
BY PASS
ALARM
ALARM
STRIKE
STRIKE

T2 TRANSFORMER OR POWER SUPPLY

SEE NOTE 1

STRIKE OR MAGNET

SEE NOTE 2

TAMPER SWITCH

RELAY JUMPER SEE NOTE 3

PWA 100653

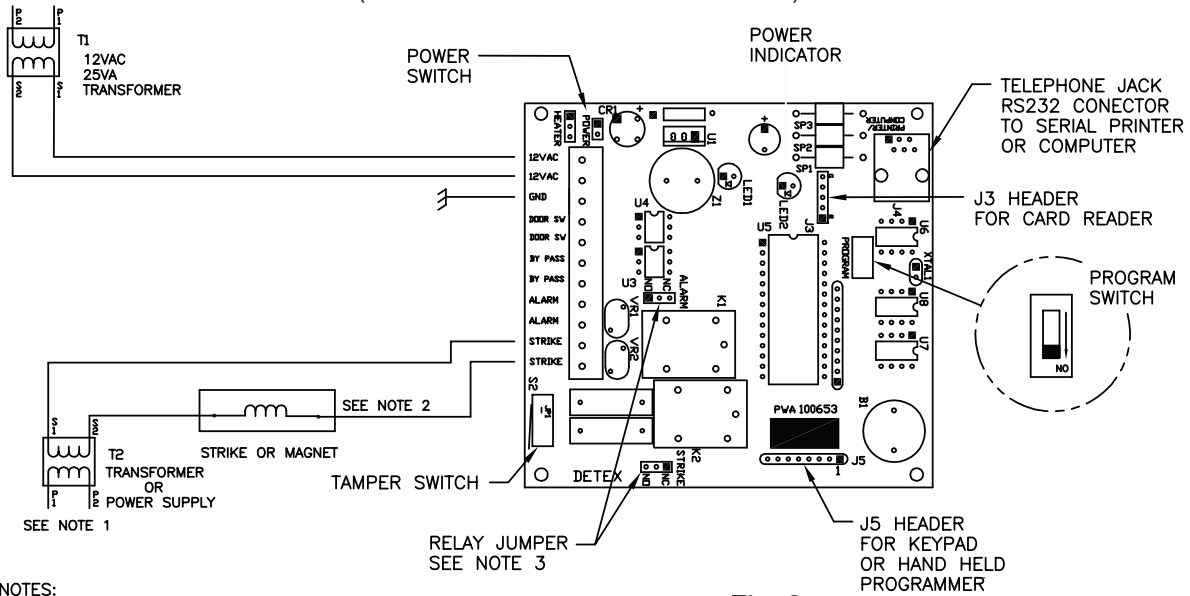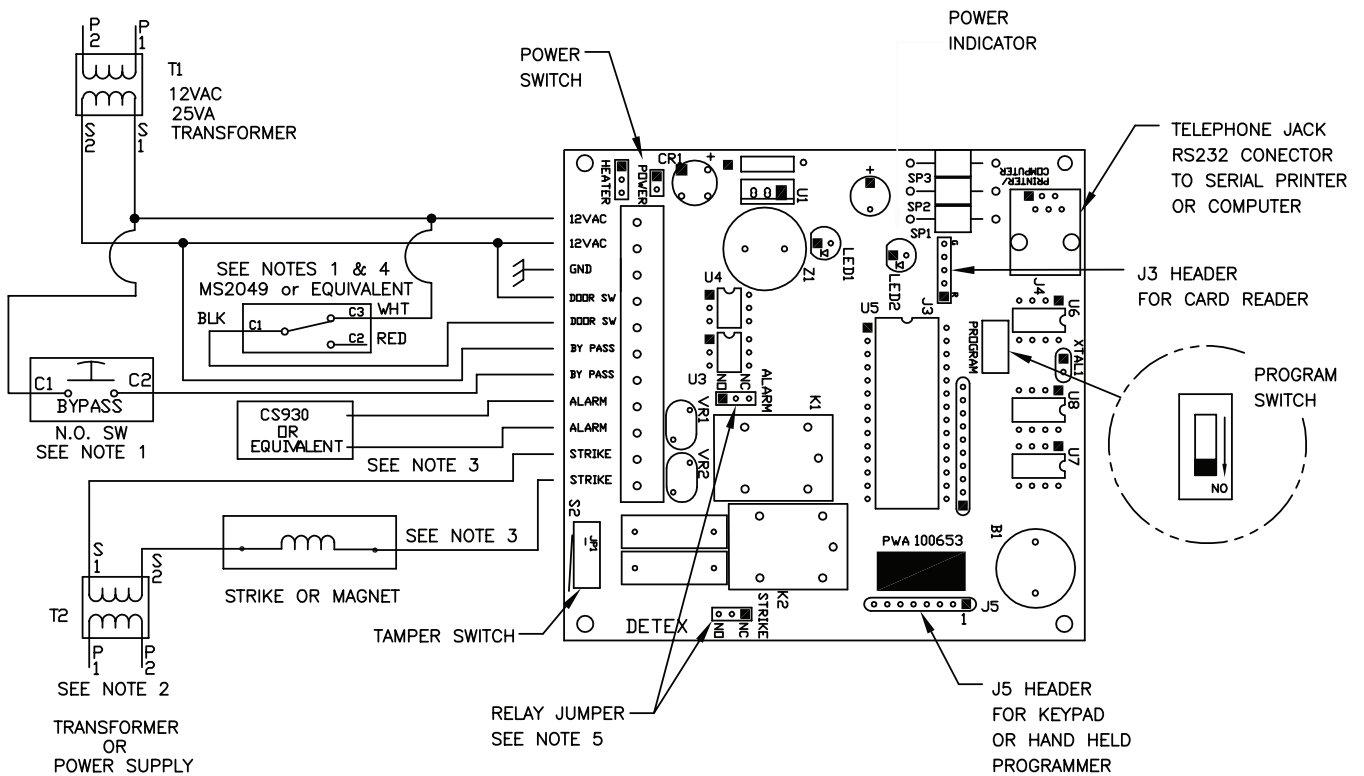DETEX

J5 HEADER FOR KEYPAD OR HAND HELD PROGRAMMER

Fig. 2

NOTES:
1. VOLTAGE TO MATCH LOAD VOLTAGE REQUIREMENT.
2. DRY CONTACT/OUTPUT ONLY.
3. MOVE JUMPER TO CONFIGURE RELAY.

WIRING INSTRUCTIONS - "COMPLETE OPTIONS"
FIG. 3
(Recommended wire size - #22 stranded)

POWER
INDICATOR

POWER
SWITCH

TELEPHONE JACK
RS232 CONECTOR
TO SERIAL PRINTER
OR COMPUTER

J3 HEADER
FOR CARD READER

PROGRAM
SWITCH

T1
12VAC
25VA
TRANSFORMER

SEE NOTES 1 & 4
MS2049 or EQUIVALENT

BLK   WHT
             RED

C1   C2
BYPASS
N.O. SW
SEE NOTE 1

CS930
OR
EQUIVALENT
SEE NOTE 3

STRIKE OR MAGNET

SEE NOTE 3

T2

SEE NOTE 2

TRANSFORMER
OR
POWER SUPPLY

TAMPER SWITCH

RELAY JUMPER
SEE NOTE 5

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J5 HEADER
FOR KEYPAD
OR HAND HELD
PROGRAMMER

HEATER
POWER
12VAC
12VAC
GND
DOOR SW
DOOR SW
BY PASS
BY PASS
ALARM
ALARM
STRIKE
STRIKE

NOTES:
1. MUST BE CONNECTED TO POWER SOURCE.
2. VOLTAGE TO MATCH LOAD VOLTAGE REQUIREMENT.
3. DRY CONTACT/OUTPUT ONLY.
4. SHOWN WITH DOOR CLOSED.
5. MOVE JUMPER TO CONFIGURE RELAY.

MANUAL PROGRAMMING INSTRUCTIONS FOR DTX1000

Follow steps 1-5 for all versions

1. Verify customer's specs and wiring according to Figure 2 or Figure 3 and power is on.
   Note: If the anti-tamper switch (ATS) is wired to an alarm system, disable the alarm system
   before proceeding to Step 2. (Re-arm alarm system when programming is completed.)

2 Open cover.

3. Turn "POWER" switch "OFF".

4. Turn "PROGRAM" switch to "OFF".

5. Turn "POWER" switch "ON" - solid green LED turns on.

---

6. Programming the "DTX1100" series with Keypad only:

COMMAND			KEYPAD SEQUENCE	
set common access code (CAC)	05	*	2 to 4 digits, 00-9999	#
set strike time	08	*	3 digit No. 001-255 sec	#
set door open time	09	*	3 digit No. 001-255 sec	#
set keypad time out	10	*	3 digit No. 001-255 sec	#
set supervisors code	13	*	2 to 4 digits, 00-9999	#
disable supervisors code	13	*	0	#
(NOTE: Command 13 enabled, disables software functions)				
set time	17	*	hr(00-23) * min(00-59) * sec(00-59)	#
set date	18	*	mo(01-12) * day(01-31) * yr(00-99)	#

7. Turn "POWER" switch "OFF".

8. Turn "PROGRAM" switch to "ON".

9. Turn "POWER" switch "ON" and observe LED flashes on/off.

10. Close cover and lock.

---

6. Connect programmer to circuit board while holding cover firmly.

7. Programming the "DTX1200" series with Cardreader only using hand held PROGRAMMER:

COMMAND			KEYPAD SEQUENCE	
validate range of cards	01	*	start 4 digit(0001-9999) * end 4 digit(0001-9999)	#
add one card to range of cards	01	*	start 4 digit * end 4 digit(include added card number)	#
cancel single card	02	*	4 digit No.(0001-9999)	#
reinstate all cancelled cards	02	*	0	#
set strike time	08	*	3 digit No. 001-255 sec	#
set door open time	09	*	3 digit No. 001-255 sec	#
print valid range of cards	11	*		#
print invalid card list	12	*		#
set time	17	*	hr(00-23) * min(00-59) * sec(00-59)	#
set date	18	*	mo(01-12) * day(01-31) * yr(00-99)	#

8. Turn "POWER" switch "OFF".

9. Remove hand held PROGRAMMER.

10. Turn "PROGRAM" switch "ON".

11. Turn "POWER" switch "ON" and observe LED flashes on/off.

12. Close cover and lock.

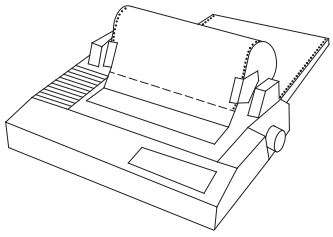**6. Programming the "DTX1300" series with Keypad and Cardreader:**

COMMAND			KEYPAD SEQUENCE		
validate range of cards	01	*	start 4 digit No.(0001-9999) * end 4 digit No.(0001-9999)		#
add one card to range of cards	01	*	start 4 digit * end 4 digit(include added card number)		#
cancel single card	02	*	4 digit No.(0001-9999)	#	
reinstate all cancelled cards	02	*	0	#	
enable keypad	03	*	1	#	
disable keypad	03	*	0	#	
enable card reader	04	*	1	#	
disable card reader	04	*	0	#	
enable CAC No., disable P.I.N.	05	*	2 to 4 digits(00-9999)	#	
disable CAC No., enable P.I.N.	05	*	0	#	
set strike time	08	*	3 digit No. 001-255 sec	#	
set door open time	09	*	3 digit No. 001-255 sec	#	
set keypad time out	10	*	3 digit No. 001-255 sec	#	
print valid range of cards	11	*		#	
print invalid card list	12	*		#	
set time	17	*	hr(00-23) * min(00-59) * sec(00-59)	#	
set date	18	*	mo(01-12) * day(01-31) * yr(00-99)	#	

8. Turn "POWER" switch "OFF".
9. Turn "PROGRAM" switch "ON".
10. Turn "POWER" switch "ON" and observe LED flashes on/off.
11. Close cover and lock.

GLOSSARY OF TERMS:

STRIKE TIME - Controls time which strike relay remains energized.
DOOR OPEN TIME - Controls time which door may remain open before alarm relay will operate.
KEYPAD TIME OUT - Controls time allowed to complete keypad operation for access.
P.I.N. - Personal Identification Number included in card information.

SERIAL PRINTER ONLY
Configure serial card as follows:
4800 (baud rate), n (stop bits) 1 ("even" parity bit)

KEYPAD ONLY

1 2 3 #	
0 0 0 0	Valid CAC entered at Keypad
11:15:14 03/31/98	Access is granted
Access Granted	
1 4 5 # Invalid CAC	1 4 5 # Invalid CAC

CARD READER ONLY

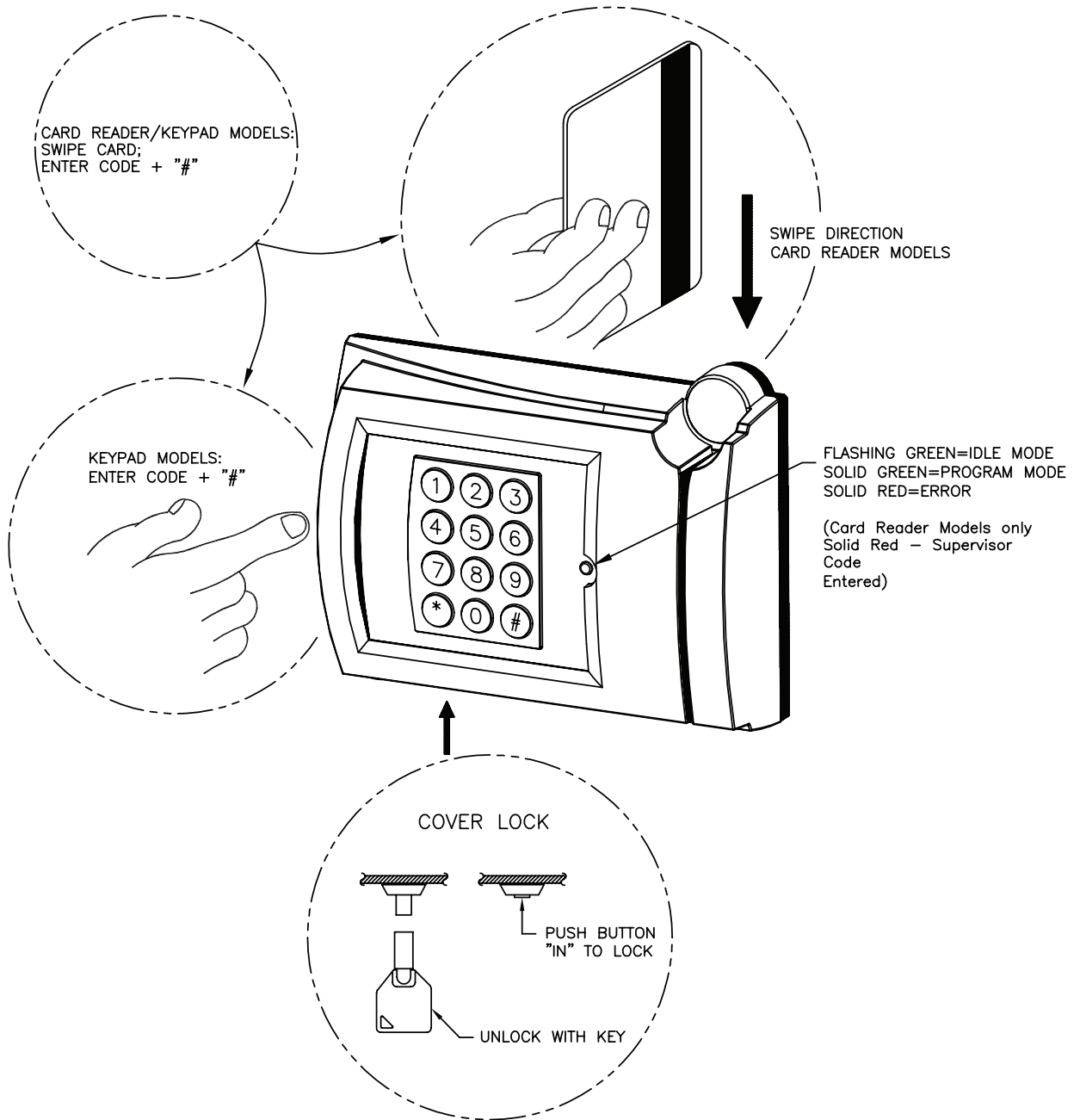|	
:000423344102001	
1020	Valid Card S/N 1020 read by card reader
16:40:17 03/31/98	Access is granted
:00042334410120	Invalid serial number has been read by card reader
Invalid serial number	

CARD READER AND KEYPAD

:000423344102001 Valid Serial Number	
123#	Valid serial number has been read by card reader
11:20:17 04/01/98	CAC 123 entered by keypad
Access Granted	Access is granted

REMOTE BYPASS

11:56:44 04/01/98	
Access Granted	Remote bypass switch has been activated

CARD READER/KEYPAD MODELS:
SWIPE CARD;
ENTER CODE + "#"

SWIPE DIRECTION
CARD READER MODELS

KEYPAD MODELS:
ENTER CODE + "#"

FLASHING GREEN=IDLE MODE
SOLID GREEN=PROGRAM MODE
SOLID RED=ERROR

(Card Reader Models only
Solid Red — Supervisor
Code
Entered)

COVER LOCK

PUSH BUTTON
"IN" TO LOCK

UNLOCK WITH KEY

QUESTIONS?

Contact Customer Service at
1-800-729-3839