SDC
SECURITY DOOR CONTROLS

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INSTALLATION/PROGRAMMING INSTRUCTIONS
950 ENTRYCHECK®

The EntryCheck® incorporates all the logic necessary to control a single door. All Unit Programming is performed by using the built-in keypad. Proximity cards, key fobs and PIN entries can be added and deleted with the keypad using the master code or programming card. The lock relay and auxiliary relay outputs can be set for 1-99 seconds.

CHOICE OF ENTRY MODE
The SDC EntryCheck® provides a choice of three programmable entry modes:

• Proximity Reader Only
• Proximity Reader or PIN Code
• Proximity Reader and PIN Code

WALL OR GLASS MOUNTED
The weather resistant unit is easily surface mounted to the wall either inside or outside. An optional glass mounting kit is available. When the EntryCheck® is mounted to the interior side of a glass sidelight or store front, the proximity reader may be activated from the exterior through the glass.

FEATURES
• Up to 500 Cards and/or PIN Codes
• Choice of three entry modes:
   Proximity Reader only
   Proximity Reader or PIN Code
   Proximity Reader and PIN Code
• Up to 6" inch/152 mm reader range
• Add / change / delete cards and PINs
• Programmable door unlock time from 1 - 99 seconds
• Tamper alarm and reader/PIN lockout
• Request-To-Exit input
• Two outputs, lock relay and auxiliary relay
• LED and audible tone for operation ease.
• Weather resistant

ORDERING INFORMATION
950C Prox / PIN reader w/10 cards
950K Prox / PIN reader w/10 key fobs
C10 Ten SDC prox cards
K10 Ten SDC key fobs
950GL-KIT Interior glass mounting kit

TR12 12VDC Plug-in power supply with AC ground and two fused outputs. Access control output: 150 mA filtered / regulated. Lock output: 780 mA filtered.

USER INFORMATION
To open door using card and PIN
   Present Card (LED flashing *red*)
   Enter PIN (LED *green*)

To open door using PIN only
   Enter PIN number (LED *green*)

To open door using card only
   Present card to reader (LED *green*)

Caution: Master card must be programmed prior to any other programming.

PROGRAM MASTER CARD
Apply power.(LED flashing *yellow*)
Enter ✱ **000000** ✱
Enter **2** ✱ (LED flashing *green*).
Present Master card to reader and Remove (1 beep).
Enter **#** (6 beeps).

PROGRAM UNLOCK TIME (Default is 1 sec)
Enter ✱.
Present Master card to reader and Enter ✱ Remove (6 beeps).
Enter **4** ✱ (LED flashing *green*).
Enter delay on relock time
(i.e. 03 = 3 sec.). Default is 1 sec.
Enter ✱ (1 beep, *green* LED).
Enter **#** (6 beeps).
Note: 00 = Toggle

PROGRAMMING ENTRY MODE
Choose the mode of entry you require.
0 = CARD and PIN   (Default)
1 = CARD Only
2 = CARD or PIN

Enter ✱.Present Master card to reader
Enter ✱ Remove (6 beeps).
Enter **5** ✱ (LED flashing *green*).
Enter 0, 1 or 2.
Enter ✱ **#** (6 beeps).

NOTE:
• When programming a new card you must enter ✱ first to enter the programming mode and present the Master Card.
• PIN needs to be programmed for each new card even if CARD only entry mode is chosen.
• Yellow LED flashing may also be viewed as an alternating *red* and *green* LED.
• The **#** key exits the programming mode (LED flashing Yellow).
• Keep a log of each card issued. See sample log below.

PROGRAMMING ONE CARD & PIN
Enter ✱ (1 beep, *green* LED).
Present Master card to reader and Enter ✱ Remove.(6 beeps)
Enter ✱ **1** ✱ (LED flashing *green*).
Enter **01** ✱ **001** ✱ (delayed 1 beep).
Present new card to reader and remove (1 beep).
Key in any 4 digit PIN for new card.
Enter **#** (6 beeps).
Repeat above for every card to be entered.

CARD BATCH PROGRAMMING
Note: PIN will be the same for all cards programmed in the batch mode.
Enter ✱ (1 beep, *green* LED).
Present Master card to reader and Enter ✱ Remove (6 beeps, *red* & *green* flashing).
Enter **1** ✱ (1 beep, LED flashing *green*).
Enter number of cards to be programmed (01-99)
Enter ✱ (1 beep, *green* LED).
Enter starting user number (001-499)
Enter ✱ (1 beep, *green* LED).
Present first sequential card.
Enter 4 digit PIN number (1 beep, *red* & *green* flashing LED)
Enter **#** to exit. (6 beeps and Flashing Yellow LED)

DELETE CARD
Enter ✱. Present Master card to reader and Enter ✱
Remove (6 beeps, *red* & *green* flashing).
Enter **7** ✱ (LED flashing *green*).
Present card to be deleted to reader and remove (1 beep).
Enter **#** (6 beeps).
OR
Enter ✱ Present Master card to reader and Enter ✱ Remove (6 beeps).
Enter **7** ✱ (LED flashing *green*).
Key in last six numbers located on card to be deleted.
Enter ✱ (1 beep).
Enter **#** (6 beeps).

RESET TO FACTORY DEFAULTS & DELETE MASTER CARD
Disconnect power.
While depressing both the ✱ & **#** keys, apply power. The LED will flash green and then after a few seconds will turn red. This resets the master code to the default '000000'. To erase all user cards and settings as well as the master code, continue depressing the ✱ & **#** keys until the red LED goes out.
Remove power
Release the ✱ & **#** keys
Wait 5 seconds
Reapply power.

ADMINISTRATIVE LOG (sample)

ENTRY MODE SET FOR   **Master Card Number** _____

0 ☐ CARD and PIN
1 ☐ CARD Only
2 ☐ CARD or PIN

CARD NUMBER	PIN NUMBER	USER I.D.	DATE ISSUED	DATE DELETED

Wiring Diagram

PCB front view

ST2
1 ■ 3 N/C contact RL1 (magnet)
1 ▪ 3 N/O contact RL1

Warning
Do not use a switching power supply. The interference radiation may disturb the reading of the badges.

STRIKE

V1

AT1   ST2
3
2
1
RL2 RL1

2 1 E M B 3 5 T C O 12 V

PB1

110VAC   Power Supply +V   12VDC

PIN-OUTS

V	Return or V-
12	+ 12 VDC
O	Relay 1 contact (ST2)
C	Relay common
T	Relay 2 N/O contact
5	Red LED
3	Green LED
B	Request-to-exit input
M	Common for REX & Alarm Input
E	Alarm Input
1	Data
2	Buzzer

LEGEND

AT1	Anti-Tamper Switch
ST2	Jumper for Relay 1
RL1	Door Relay
RL2	Alarm Relay
V1	Varistor
PB1	REX Push Button

Installation Settings

TR12
POWER
SUPPLY

G + — +

12 VDC
150 mA
REGULATED
OUTPUT

12 VDC
780 mA MAX

950

(USE WITH NON-SDC LOCKS)

MOV

ELECTRIC
LOCK   (750 mA MAX)

SET JUMPER ST2
FOR LOCK TYPE
FAIL SAFE (N/C)
FAIL SECURE (N/O)

REQUEST TO EXIT
REX (N/O)

12 V C O – ` M B

Typical Wiring (Single Door)

950 ENTRYCHECK®
MASTER CARD ENROLLMENT TROUBLESHOOTING
GUIDE

WHAT IS A MASTER CARD

The master card is the one card used to access the programming mode of the 950. Once enrolled, it can be used in place of the master code at time of programming. Although the card is the same physical type of card as a user card, the 950 treats it in a different way. When you enroll a card as the master card, the 950 not only reads the serial number of the card (like it does when it enrolls a user card) but also programs a special code into a memory chip located on the card itself. When the card is presented to the 950, both the serial number and the special code are read for validation.

MASTER CARD ENROLLMENT PROBLEMS

If programmed, the program card will no longer function as a user card or as a master card for another unit without first erasing the card's internal memory chip.They usually come from the manufacturer fully erased and ready to enroll as either a master or user card. Occasionally a card may need to be erased again before it will be accepted as a master card at time of enrollment. This is the procedure:

RESET THE 950 TO FACTORY DEFAULT SETTINGS

Disconnect Power.
While depressing both the * & # keys, apply power. The LED will flash green and then after a few seconds will turn red. This resets the master code to the default ' 000000'. To erase all user cards and settings as well as the master code, continue depressing the * & # keys until the red LED goes out.
Remove power
Release the * & # keys
Wait 5 seconds
Reapply power.

ERASE THE CARD

Apply Power.
Enter * 000000 * (the unit is now in programming mode)
Enter 7*.(LED flashes green)
Present the card to be erased and remove (1 beep).
Enter #. (6 beeps and the unit is now out of programming mode again).
The card is now erased and ready to be enrolled as a master card.