

PLAN400

Networkable 4 – Reader Local Control Unit

Operator Guide

PLAN-400 PROGRAMMABLE 4-DOOR LOCAL CONTROL UNIT

Operator Guide

Document Ref: P400MAN(c) 01/2000
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INTRODUCTION

The PLAN 400 controller is designed to be a flexible 4 door access control system, capable of stand alone or networked operation. The system can control up to 22,000 personnel (expandable), has 128 time profiles and alarm monitoring options on all 4 doors with two separate alarm output relays. Cards can be added individually or in multiples of up to 999 and are deletable singly. There are 4 shutdown periods which can be set in the set system command for such times as Christmas or other Bank Holidays or set breaks.

Real time clock and system memory are both battery backed on the circuit board and all systems are also backed up against mains failure. Mains supplies are filtered and suppressed to protect against spurious noise and surges.

Events are logged in the system RAM and the last 1000 transactions can be recalled from the cyclical memory for later analysis using the print option.

Standard lock strike supply is 12v at 500mA per door, although a separate supply is easily installed for higher powered strikes or different voltage requirements and voltage free contacts are available as an alternative.

The facility is available for a printer with a serial interface to be connected directly to the board enabling printing of all files and also the last 2000 events on the system selectable by date, time, door, card and event type.

Doors can be manually set in the unlocked or bolted mode by using the set locks procedure.

The PLAN 400 controller is housed in a lockable steel cabinet, with provision for cable entry through the rear panel or side walls. Inside this circuit board, keypads and displays are mounted on a removable inner lid, with a connections to the main board via demountable terminal blocks.

The system will operate with any of the currently available PLAN reader options (swipe, proximity etc.) providing that the correct firmware version is installed.

For ease of identification the firmware type is indicated on the sticker attached to the EPROM IC1 (IC20 for pre V6.0 hardware).

SYSTEM DESCRIPTION

Time Profiles : Time Profiles are used to define the times of operation of certain functions of the system e.g. to control the times at which cardholders are allowed to use their cards or to open and close doors (or switch on and off other equipment) automatically at preset times. A Time Profile is divided into four Time Zones and a Status field. For the Time Profile to operate the Status must be set to ON, and at least one Time Zone must be programmed. This is achieved by specifying a Start and End time and selecting on which days the Zone is to operate. The Time Zones are checked from number 1 to number 4 in order and the first zone encountered which includes the current time and day is flagged in the software and is said to be Active.

Personnel : Individual cardholder information is stored in Personnel Records. Each Personnel Record contains the card number, 4 Access Levels and a Time Profile (see above), if for example a cardholder enters a card at door 1, and this door only appears in Access Level 3 of their Personnel Record, then they will only gain access through that door when Zone 3 of their Time Profile is Active. If no Time Profile is specified then Access Level 1 for that person is always assumed to be the active Access Level.

Doors : Door setup information is stored in a door record. Each door record contains the lock mode (safe/secure), the strike release time, the delay before alarm time, a Free mode and Bolt mode Time Profile and finally the Passback setting.

LOCK MODE; The Lock Mode can be set to either Fail Safe or Fail Secure to suit the locking device installed.

STRIKE DELAY; The Strike Release Time is set in seconds and can be anything between 1 and 255. If the Strike Release Time is set to 0 then the system assumes that the release time is 1.

ALARM DELAY; As with the Strike Release Time and Alarm Time is in seconds and can be anything upto 255, however if the Alarm Time is set to 0 that alarms are disabled for that door.

FREE PROFILE; The Free Profile is set to the Time Profile number which when active leaves the door free by permanently releasing the strike for the duration of the active period.

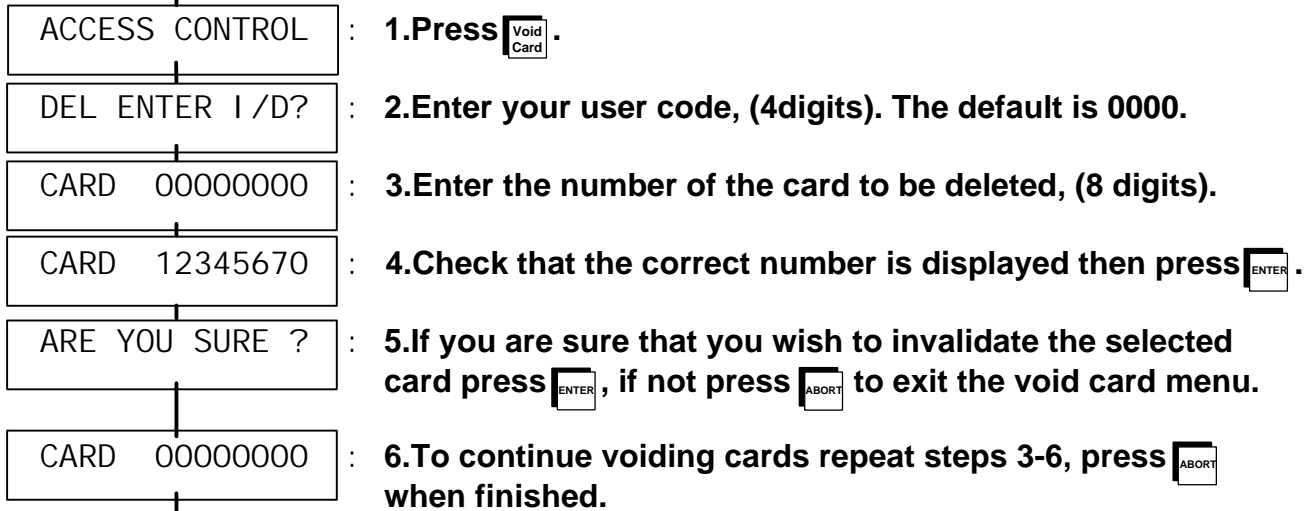
BOLT PROFILE; The Bolt Profile is exactly the opposite of the Free Profile and will permanently lock the selected door for the active zones of the selected Time Profile.

PASSBACK; Finally is the system is controlling entry to, and exit from a protected area, security can be further enhanced by using the Anti-passback facility. This function will prevent cardholders "sharing" cards and deter "tail gating". This is achieved by designating reader 1 as IN and reader 2 as OUT and then logging personnel IN and OUT as they move around the building. If a card which is logged as OUT of the protected area is presented to reader 1 (IN) then access will be denied until that card has been presented to reader2.

SYSTEM DESCRIPTION

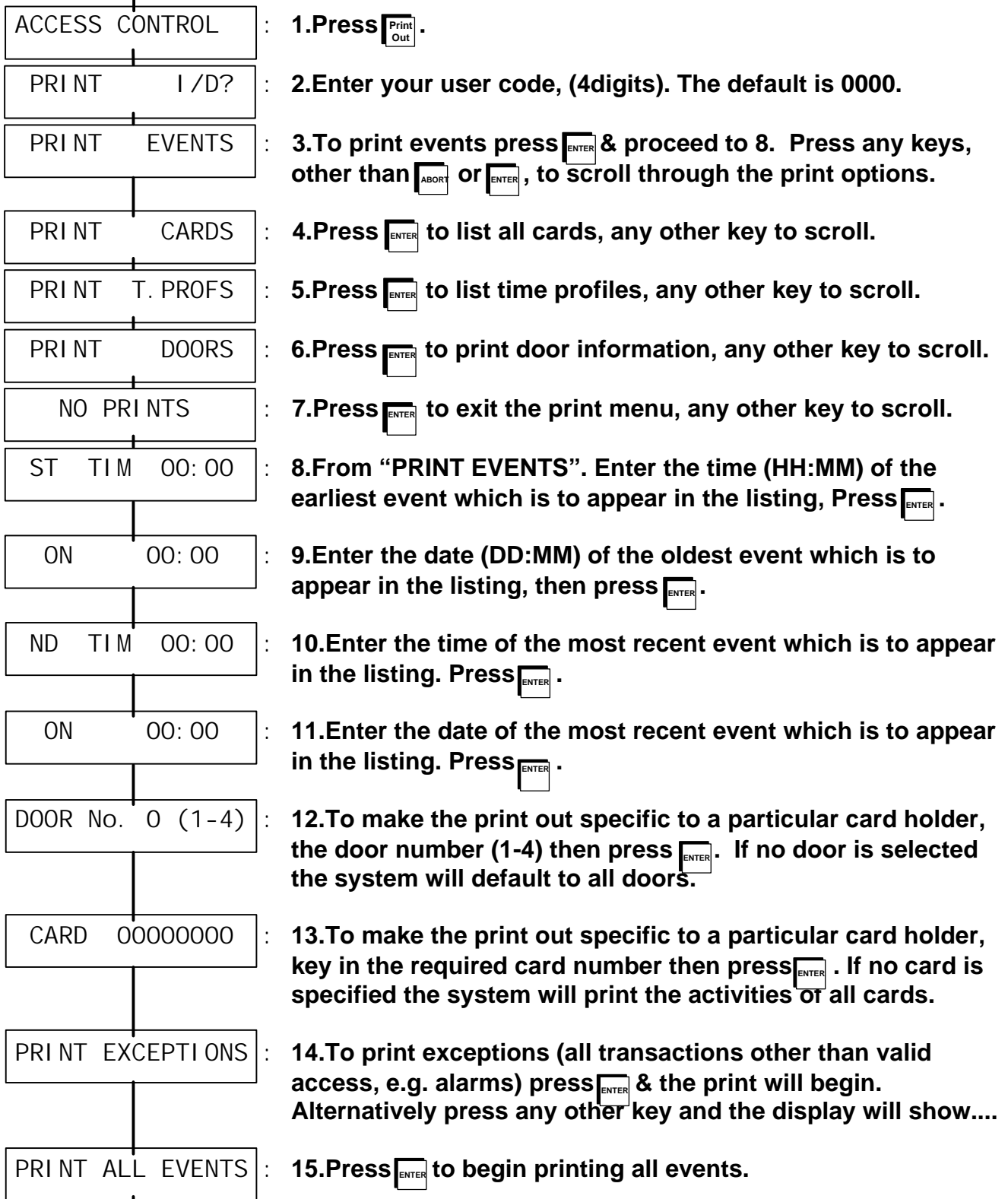
System File : The system file is edited in the Set System menu and contains information on the following;-
SHUTDOWN PERIODS; Upto four shutdown periods can be set which when active will prevent access through all doors to all personnel except those with Time Profile 101 and above.
USER 0 which has a master code and allows access to all areas of the software and User codes 1-7 which can be restricted to allow only limited editing using the Valid Commands procedure.

TO VOID CARDS FROM MEMORY

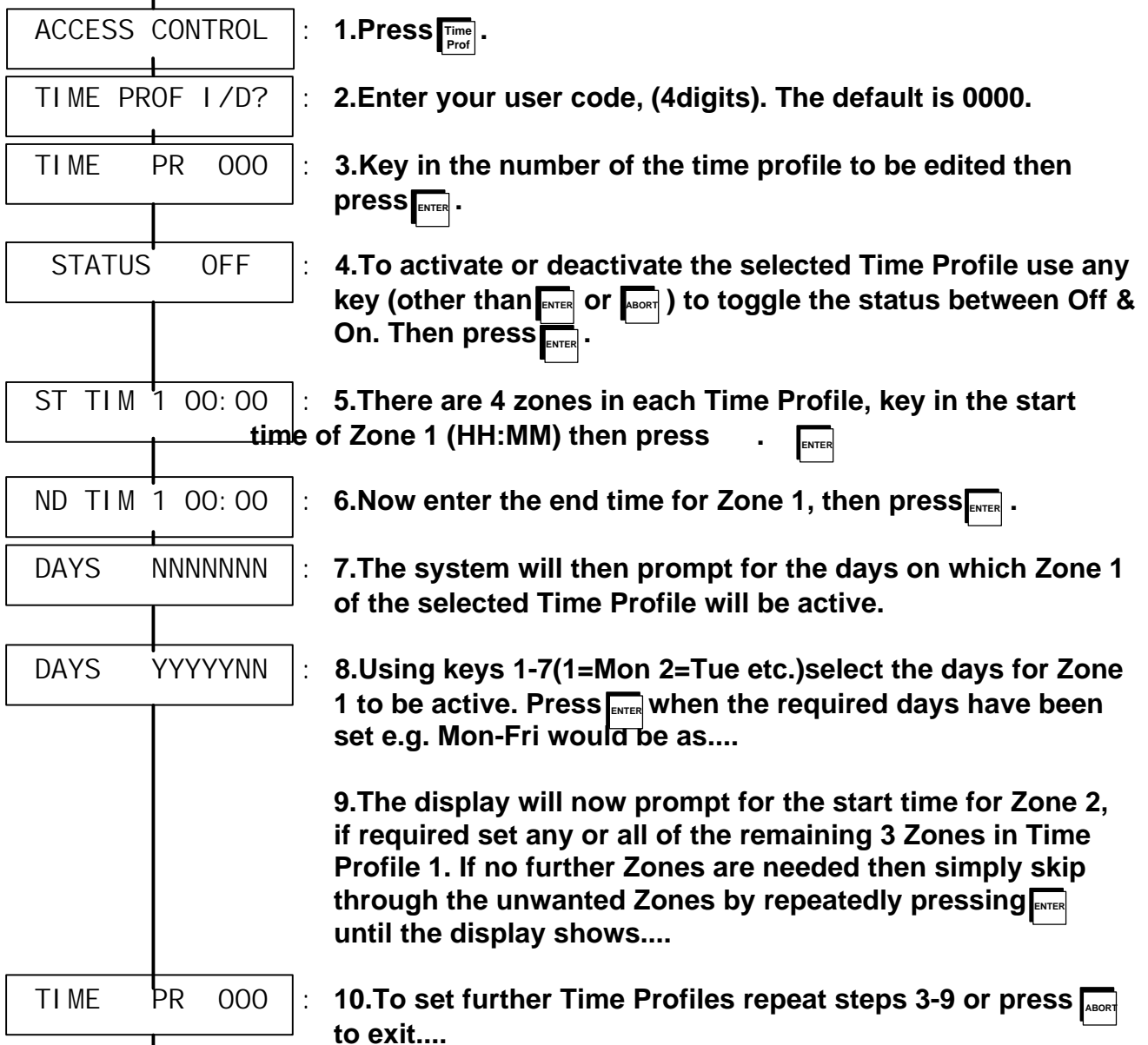


N.B. If after entering a card number the display shows "CARD NOT FOUND", this indicates that the card selected is not in the system memory & therefore cannot be deleted.








TO PRINT INFORMATION



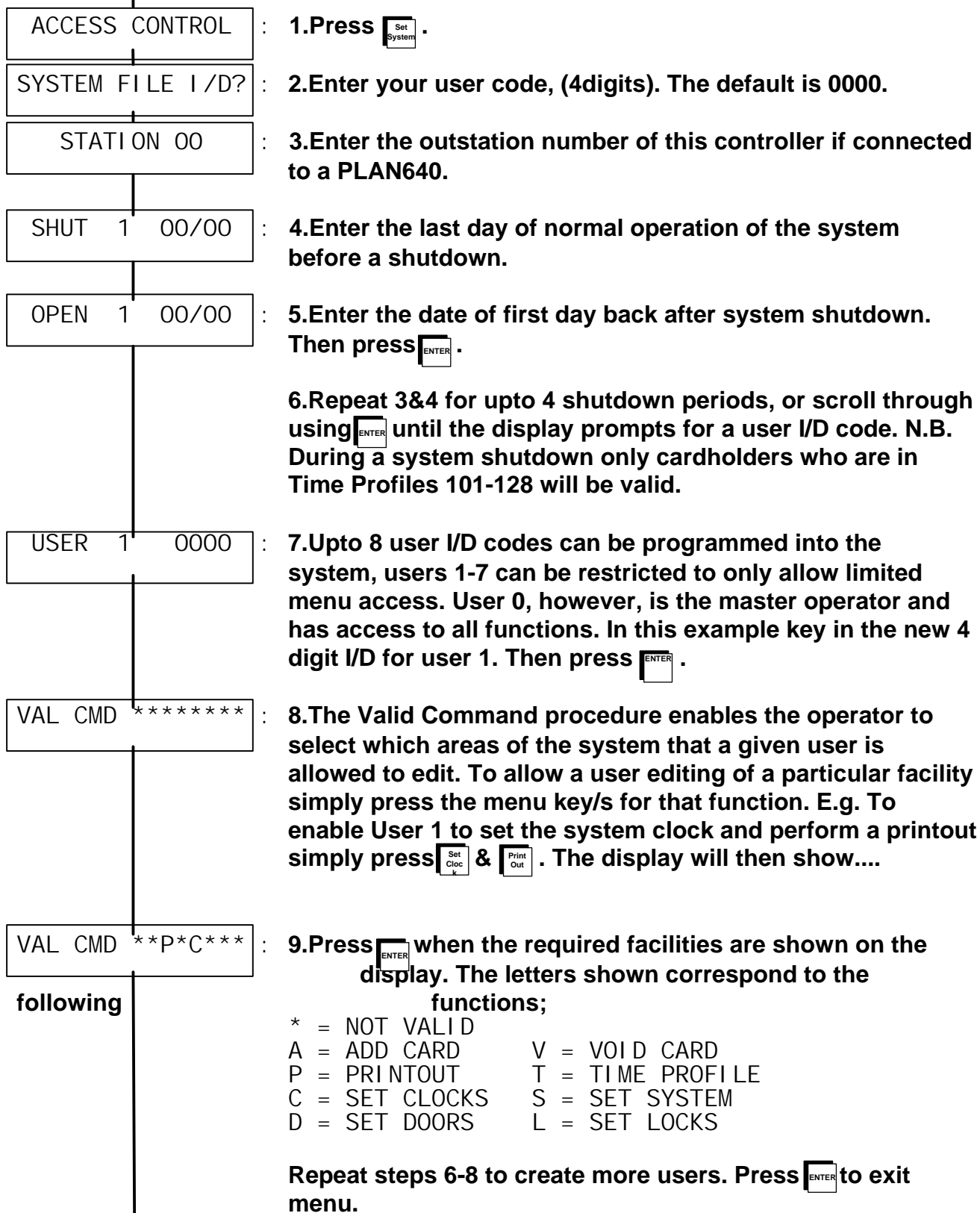
TIME PROFILES















TO SET SYSTEM CLOCK

- | | | |
|----------------|---|--|
| ACCESS CONTROL | : | 1. Press  . |
| CLOCK I /D? | : | 2. Enter your user code, (4digits). The default is 0000. |
| YEAR XX00 | : | 3. Key in the last two digits of the year e.g. 00, then press  . |
| DATE 10 04 | : | 4. Enter the current date (dd mm). Then press  . |
| DAY MONDAY | : | 5. Using keys 1-7, (1=Mon, 2=Tue etc..) select the correct day, then press  . |
| TIME 17 30 | : | 6. Key in the correct time (24hrs). Then press  . |
7. Press  to scroll through the information entered or press  to exit.

TO SET SYSTEM INFORMATION



TO SET DOOR INFORMATION

- | | |
|-------------------|---|
| ACCESS CONTROL | : 1. Press  . |
| DOOR ENTER I/D? | : 2. Enter your user code, (4digits). The default is 0000. |
| DOOR No. 1 (1-4) | : 3. Enter the number (1-4) of the door to be edited. Then press  . |
| MODE F/SECURE | : 4. Using any key (except  or ) toggle the lock mode between Fail Secure & Fail Safe to suit the door locking device used. Then press  . |
| LOCK T 000 secs | : 5. Key in the time (1-255 secs) for which the door will remain unlocked after a valid card entry or manual override. Then press  . |
| ALARM T 000 secs | : 6. If door monitoring contacts are fitted, key in the time delay (1-255 secs) after which the Door Ajar alarm should activate. Then press  . |
| FREE Pr. 000 1-64 | : 7. If required, enter the Time Profile number which, when active, will energise the lock to allow free passage to non-cardholders through the current door. Press  when done or if the facility is not used. |
| BOLT Pr. 000 1-64 | : 8. Enter the Time Profile number which when active will deny access through the current door to all cardholders regardless of their Access Level or Time Profile. Press  when done or if the facility is not required. |
| PASSBACK 0 (0-1) | : 9. If your PLAN system is controlling Entry & Exit from the secure zone the Anti-Passback facility will prevent cardholders “sharing” cards. To enable this facility press  (To disable Anti-Passback press ). N.B. This option must be enabled on both doors in order to operate. |
| DOOR No. 1 (1-4) | : 10. Repeat steps 3-9 for door 2 or press  to exit the Set Doors menu. |

TO SET LOCK OVERRIDE

ACCESS CONTROL :

1. Press  .

DOORS I /D? :

2. Enter your user code, (4digits). The default is 0000.

DOORS * * * * :

3. The display shows the current override status of doors on the system.

* = Normal (card entry only)

U = Permanently Unlocked

L = No Access

DOORS U * * * :

4. Press  to toggle door 1 between *,U & L.

DOORS L * * * :

5. Repeat 3-4 using  for doors 2-4. Press  when the required door status for both doors is shown.