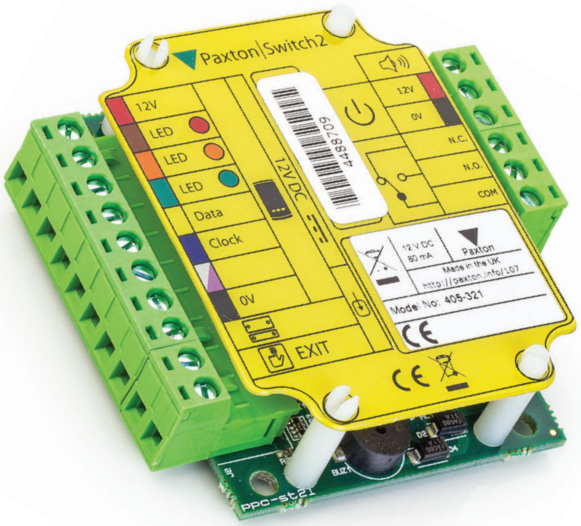
How to program a Switch2 to use a PROXIMITY KP Keypad

What is a Switch2 system?



A Switch2 system is a step up in security and versatility from the compact range. Still operating as a standalone system it uses a control unit that is separate from the user interface; a simple data cable linking them together. This means that the control unit can be mounted on the 'safe' side of the door with only the keypad or reader outside.

A Switch2 control unit can be used with any of the readers in the Paxton range. It has inputs for a door contact and an exit button and has an output for an alarm sounder. Lock control is via a volt free relay which can be wired to operate fail closed and fail open locks.

Initialising the keypad

When the system is powered up for the first time the keypad will beep 3 times a second. This indicates that the keypad is waiting to be initialised. The red LED will be steady, the amber LED will flash slowly and the green LED will flash quickly.

Enter your chosen 6 digit programming code and press the bell button (The green LED will flash faster still)

Confirm your programming code by entering the same 6 digit code, followed by pressing the bell button (The green LED goes out and the unit will acknowledge that the programming code has been accepted by beeping twice after a short pause. All the LED's are now on)

NOTE: The programming code should NOT contain the sequence of numbers 1234, as this is the default user code for unlocking the door.

The keypad has a default user code of 1234. The programming code you just entered will now let you into the menu where additional alterations can be made.

Card plus Code

The KP reader must first be initialised as a TOUCHLOCK keypad. (as above)

Next, put the keypad into 'Card plus code' mode by keying in the following sequence.

A PROXIMITY card pack must now be enrolled by simply presenting the PROXIMITY enrolment card to the reader. All of the cards in the pack will now be valid.

4 digit user codes are entered using the TOUCHLOCK programming chart. If more than one user code is to be used, activate 'Multiple codes' before programming the user codes.

Entry will now be granted with the presentation of any valid card followed by any valid user code.

Card or Code

Card or Code' mode is programmed in the same way as 'Card plus Code' except for using the following program sequence to set up 'Card or Code'.

Entry now requires the presentation of a card or by entering a valid user code.

Card plus PIN

The KP reader must first be initialised as a TOUCHLOCK keypad.

Next, put the keypad into 'Card plus PIN' mode by keying in the following sequence.

A PROXIMITY card pack must now be enrolled by simply presenting the PROXIMITY enrolment card to the reader.

Entry now requires the presentation of a valid card followed by its related user PIN.

4 digit PIN's are assigned as follows.

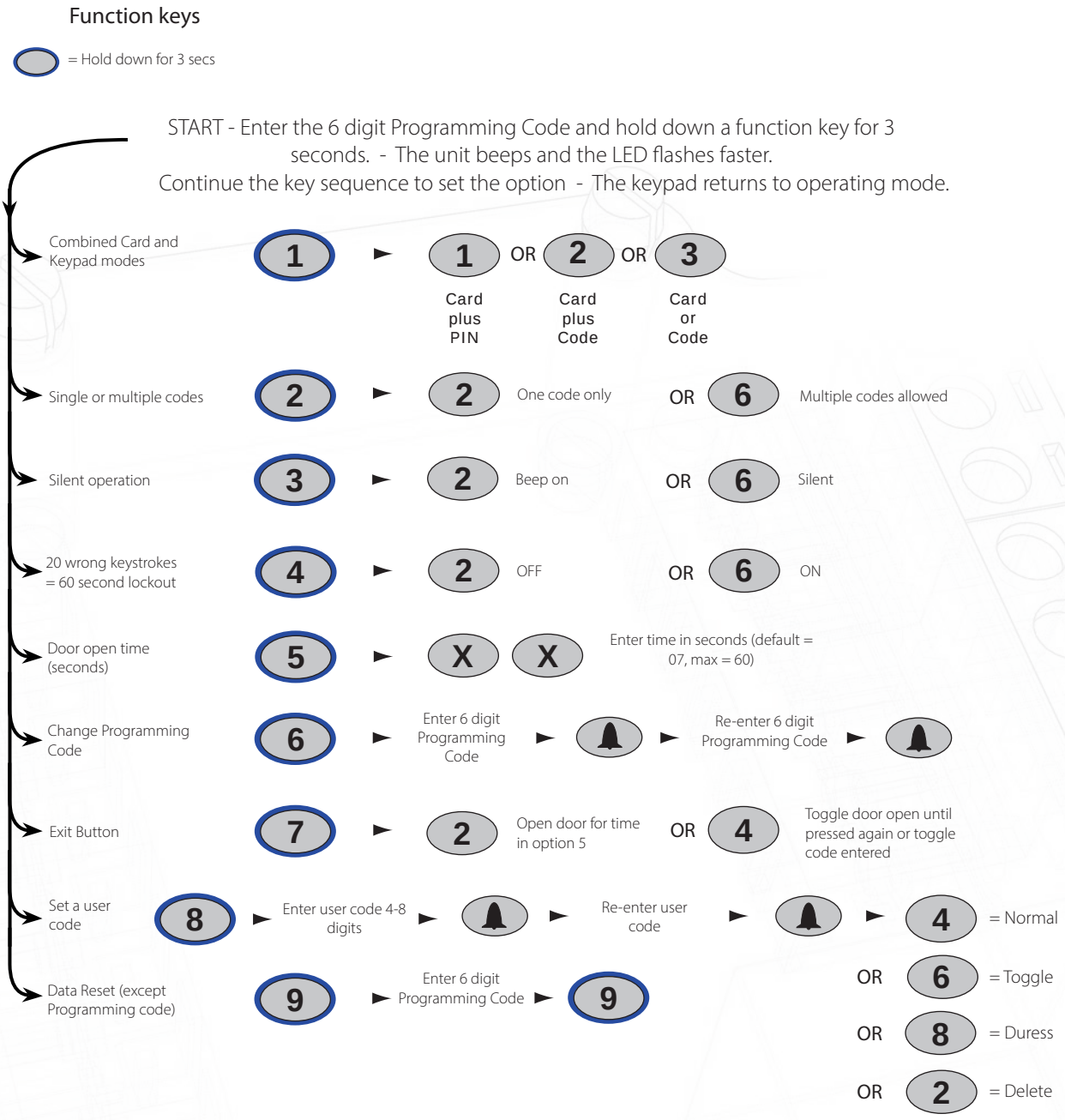
To assign a PIN to a card:

- Present the enrolment card to the keypad; the reader will start to beep and the amber LED will flash
- Present the user card, the amber and green LED's will flash
- Enter the PIN number to be associated with the user card (Maximum 4 digits)
- Press the bell button, the LED's will flash faster
- Enter the PIN again to confirm
- Press the bell button

The user card and related PIN are now valid. When the user card is presented at the keypad the amber LED will light indicating that the keypad is waiting for the PIN. When the correct PIN is entered the door will open.

A User card must have a PIN assigned to be active.

TOUCHLOCK programming guide



For further information about programming user codes etc. please see: AN1004-US - How to program a Switch2 with TOUCHLOCK. < http://paxton.info/3419 >