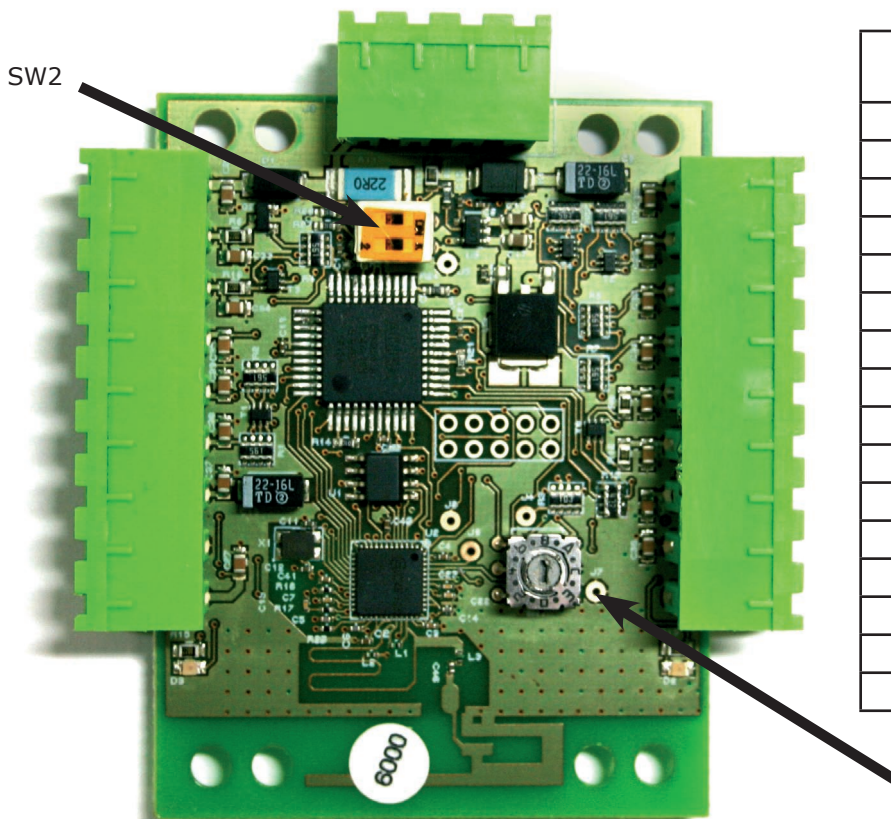# Frequency Tune-up Information

Configuration

Changing frequency channel

If you are experiencing problems with the range or reliability this may be due to poor reader positioning, adjacent interfering 125KHz or 2.4 GHz equipment, e.g. an adjacent wireless PC network. Please refer to the 'Before you install' information regarding unit locations. If you are still unable to improve the system performance then you may try an alternative 2.4 GHz channel using Switch 1. Power cycle the unit after any changes.

The system has 16 different channels available. The unit is set to channel 4 as this frequency is normally clear of other device transmissions. This can be changed using a small flat blade screwdriver. Take care not to contact the circuit board with the screwdriver blade as this may damage components.

SW2

Switch position	GHz	IEEE 802.15.4 channel
0	2.405	11
1	2.41	12
2	2.415	13
3	2.42	14
4	2.425	15
5	2.43	16
6	2.435	17
7	2.44	18
8	2.445	19
9	2.45	20
A	2.455	21
B	2.46	22
C	2.465	23
D	2.47	24
E	2.475	25
F	2.48	26

SW1. Rotate the switch to select an alternate channel.

The switch will initially be set to default position '4'

All hands free tokens automatically configure themselves to use the new channel. No configuration of the token is required.

Keycard configuration

The switch SW2 is used to configure the buttons on the hands free Keycard.

The unit must be power cycled if the switch position is changed to reconfigure the settings.

Please refer to instruction sheet ins-30037 for switch configuration supplied with the keycard.