

## General description

The two button remote is used for arming and/or de-arming an alarm panel via the PARAKEY receiver, or activate any of the on-board 4 PGM's (see description of receiver)

## Device operation

The remote consists of 3 major parts: the encoder, the saw stabilised oscillator and finally the antenna.

Encoder: The HS300 is a code hopping encoder designed for secure remote keyless entry systems. It utilises the KEYLOQ code hopping technology. The HCS300 combines a 32 bits hopping code generated by a non-linear encryption algorithm, with a 28-bit serial number and six status bits to create a 66-bit transmission stream. The code hopping mechanism makes each transmission unique.

By pressing one or both switches the encoder sends data, the oscillator is keyed on and off by the data stream. The printed antenna also serves as the inductor in the oscillator tank circuit. A red LED will confirm the transmission and that the remote is powered by a 3 volts coin cell.

