ABSTRACT

Apparatus, and a concomitant method of operation for the apparatus, for responding to an interrogation signal transmitted by a remotely located interrogator comprising: a demodulator for demodulating the interrogation signal; a signal processor, coupled to the demodulator, for interpreting a set up instruction contained in the interrogation signal and for initiating a counter to count cycles of a carrier wave signal contained in the interrogation signal; and a modulator, coupled to the signal processor, for transmitting a pulse when the signal processor indicates that the counter has attained a count value that matches a codeword stored in the signal processor.