



20 MAY 2002

162162

- 17 -



G00002

ABSTRACT

Apparatus, and a concomitant method of operation for
the apparatus, for responding to an interrogation signal
5 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
10 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
15 the signal processor.