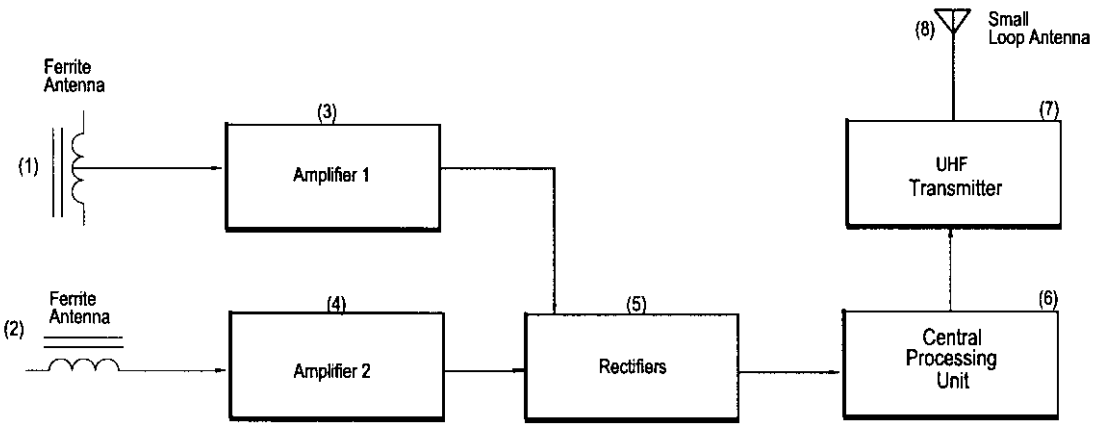
KXU-LUXP1



Description of KXU-LUXP1 Transponder

(1) & (2) Small .2 x .97 inch Ferrite Antenna Coil, used to receive VLF signal.

(3) & (4) Amplifiers (gain = 100) to increase the received signal

(5) Diodes to rectify and filter the received signal.

(6) Microprocessor Controller: Monitors received signal, checks pulse width of received signal, generates code for UHF Transmitter when the proper VLF signal is received.

(7) Low Power Transmitter stage. Uses a single MMBTH10 transistor with a SAW Resonator to determine frequency. This stage sends out coded pulses of RF when turned on by the Microprocessor. Transmission stops when the VLF signal is no longer present.

(8) Small UHF loop Antenna.

CAD GENERATED DRAWING DO NOT MANUALLY UPDATE		RF Technologies, Inc.
APPROVALS	DATE	PART NAME: KXU-LUXP1 Transponder
DRAWN: J C R	12-11-97	
CHECKED:		
SIZE: A	DRAWING NO.: KXULUXP1.DC	REV: A