



ELECTRICAL INNOVATION SINCE 1909

Time Switches / Interval Timers/ Transfer Switches / Panelboards

## Reliance Controls Corporation SPV 11031 Transmitter function

The transmitter module includes an internal temperature sensor and an external water sensor. When either of the sensors is activated, the alert code generator is activated. It reads the alert code from the code selector and synthesizes the code to be transmitted. It also triggers the power amplifier to the on-state for approximately 0.5 sec, at which time the oscillator signal is modulated by the alert code, and the resultant is amplified and provided to the transmitting antenna for transmission. The transmitter transmits the code (one time only) for 0.5 sec, then locks itself in the “transmitter off” state. It cannot be triggered back on, until the operator physically cycles the power on/off switch to the off position and back to the on position. Once having done so, the transmitter is ready to accept another alert from the sensors. The transmitting antenna consists of a circuit board trace. No external antenna is used.

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