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28th April 2011

Name of product: Weather sensor

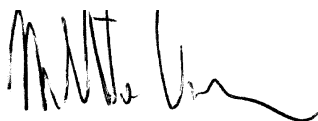
Model of product: WSCT and SCT

Description: The circuit consists of:

- The power supply circuit is composed by two capacitor recharged by the solar panel placed on the top of the sensor. The sensor is gifted with a battery for power the logic circuit when there isn't the sun.
- The code is generated by the integrated circuit IC1 and consists of a train of 55 pulses lasting 82.5ms followed by a pause of another 18ms; as the code is the "Rolling Code" type, it changes each time the push button on the remote control is pressed or the wind/sun command is transmitted.
- The Q2 transistor, used as an AM-OOK modulator (On Off Key), switches the oscillator circuit.
- The Q3 transistor that works like an oscillator; the signal taken from its collector passes through the C18-L5-C10-C20-C21 filter and reaches the Loop type aerial, engraved on a printed circuit, providing a guarantee of stability as regards its characteristics and, consequently, the complete lack of calibrations. The SAW1 Resonator guarantees the exact oscillation frequency.

Category: I

By:



(Signature)

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Informative ex law D.lgs n.196/2003 - European regulation 2002 / 58 / CE

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