

Main Memory Volatility Statement

Models: Pyroelectric Sensors

Product Description:

General Purpose Laser Power Sensors

Memory Description:

These sensors contain the following memory devices:

Smart plug:

U1: I2C EEPROM 93C66,

Used to store sensor parameters and calibration factors. Non-volatile.

Main board:

U22: I2C EEPROM 24LC16B,

Used to store board parameters and calibration factors. Non-volatile.

U21: MICROCONTROLLER STM32F103CBT

Internal FLASH, used to store operating code of the MCU. non-volatile

Internal RAM, used to store variables for the software while it is running. Volatile.

General:

Sensor calibration constants are stored in U1 in smart plug board. The calibration constants are generated when the sensor is sent through its calibration process in the factory, and are fundamental to the sensor operation.

Note: The standard sensors contain a D15 plug for power meter connection. The measuring of the sensors displayed on a standard Ophir meter or PC interface.

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