



MONARCH INSTRUMENT

Innovation in Instrumentation

LSSC-Linear Strobe Self Contained MACHINE VISION / INSPECTION STROBOSCOPE



The LSSC is a self contained AC powered strobe scope with external trigger input. The unit is packaged in a durable steel housing and is designed for use in dry non-explosive environments for stop motion applications. The strobe is designed to meet the EMI /RFI requirements of CE.

Input is via a 3 pin DIN socket and accepts signals from ± 1.5 to 24 volts. A 5-volt DC supply is included, to power an external sensor. The entire input circuitry is isolated from the AC power. A selection of sensors is available.



PICTURED WITH THE OPTIONAL ROS-5LS SENSOR

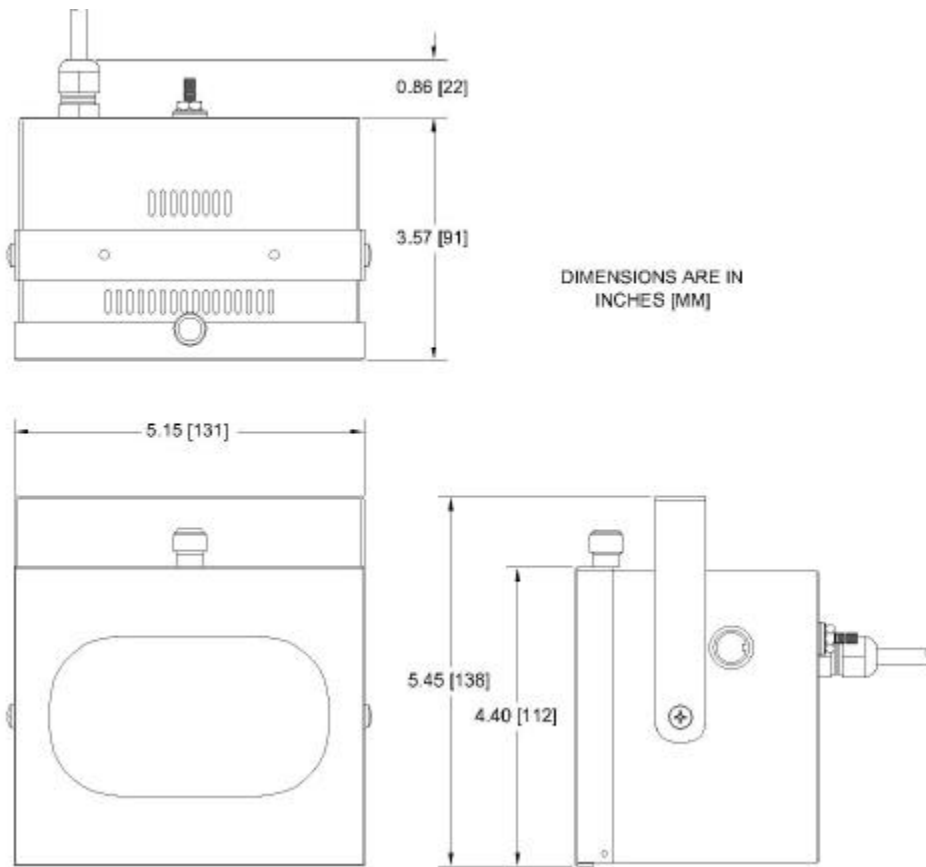
The unit is designed for continuous operation with a long life linear flash tube that is protected by a safety glass lens. The lamp assembly module can be easily replaced without the need of tools.

The unit is supplied with a mounting bracket and integral 6-foot (1.85 m) AC power cable. The standard unit provides consistently bright flashes up to 10,000 flashes per minute

SPECIFICATIONS

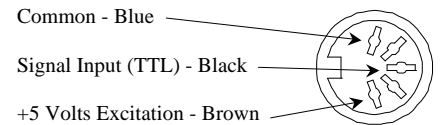
Max Flash Rate	10,000 FPM (flashes per minute)
Output	18 Watts
Lamp Life	2500 hours typical
Lamp	Linear 2 inch arc Xenon Tube
Duty Cycle	Continuous Operation
Input	± 1.5 to 24 Volt positive edge signal (TTL Compatible)
Sensor Supply	5 VDC @ 60mA max
Environment	Meets requirements of EMC 73/23/EEC (IEC1010-1) Low Voltage Directive. Meets the requirements of 89/336/EEC for EMC/RFI (230Vac model)
Power Requirements:	115Vac 60Hz or 230Vac 50 Hz (Specify)
Temp. Operating Range	5 to 40 °C (41 to 104°F)
Dimensions	5.15 x 4.4 x 3.6 WHD inches (131 x 112 x 91 WHD mm)
Weight	2.5 lbs (1.1 Kg)

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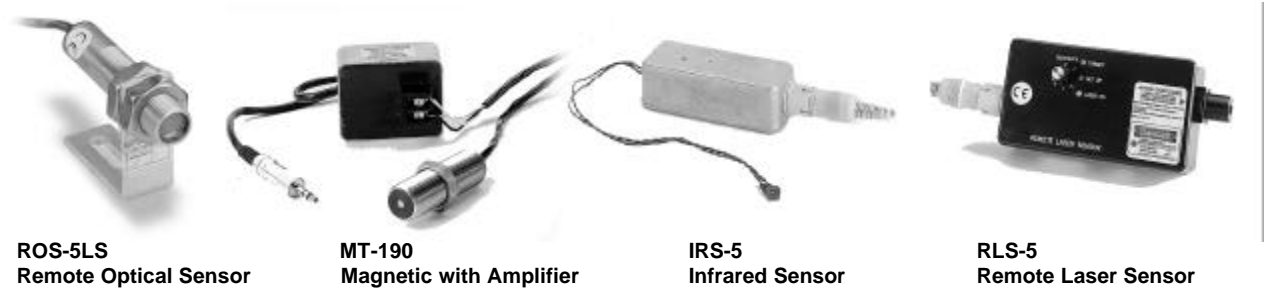
INPUT CONNECTIONS

The unit requires an external TTL input signal to flash, and triggers on the positive going edge of a ± 1.5 to 24 volt input pulse. In addition to the input signal, there is an excitation voltage of 5 Volts @ 60mA max for powering external sensors. Connections are as shown above, the shell is grounded. A male mating plug is provided. All connections are isolated from the AC and high voltage signals.



ACCESSORIES

A number of sensors are available that can be used to trigger the stroboscope. These include the ROS-5LS optical sensor (with plug), the IRS-5W infra red sensor, the RLS-5W laser sensor and the MT-190W magnetic sensor.



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