

SM.PROX

Precautions for the use of the laser pointers

Electronic device for the assembly on machines or plants.

Installation and fitting only by qualified persons!

Please read carefully the following notes before the installation

Precautions to be taken for the good functioning of the laser pointers

We are not responsible by no respect of following points:

1. Supply the laser pointers with transformer power supplies that provide STABILIZED voltages. A stabilized power supply means a power supply provided with a regulator and voltage stabilizer (eg. 7805, 7824 etc.) and appropriate filters in order to eliminate all variations, disorders and transients that may come from the supply line. By laser pointers with power supply at +5 Vdc provide a SEPARATE power supply from the rest of the machine wiring.
2. You can also use SWITCHING power supplies, provided they give stabilized output voltages and above all FREE of voltage spikes and radio frequency disturbances which damage the laser pointers during the time.
3. Choose high-quality switching power supplies.
4. REMOVE ALL electrostatic charge which are generated from the machine. If the laser pointer works near materials such as cloth, paper, polyester and similar, mount appropriate antistatic bars or other solutions, in order to avoid ANY ELECTROSTATIC CHARGE which can damage the laser pointer over the time.
5. Use filters in order to ELIMINATE any disturbances that AC motors can generate both at start and during their operation.
6. The laser pointers with metal housing are to be mounted connecting the housing to the mass of the machine to allow the discharge to the ground of the electrostatic charges.
7. Consider the CLASS SAFETY of the laser pointer to take the proper precautions (see our catalogue).

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