

Operating Instructions for SL Series Safety Limit Switches (Plastic Body)

IMPORTANT: Installation of STI products should be in accordance with local and/or national codes. Servicing energized industrial control equipment can be hazardous if not in accordance to recommended safety procedures.

Specifications

AC/DC Designation	A600;Q300
AC/DC Utilization Category	AC 15; DC 13
Max. Fusing rate	15A fast acting
Impulse Voltage (Uimp)	2500V
Enclosure Protection	IP66
Pollution Degree	3
Storage Temperature	80°C (176°F)/-25°C (-13°F)
Operating Temperature	80°C (176°F)/-25°C (-13°F)
Direct Opening Action	Normally closed only (as circuit)
Conductor Sizes	Use copper conductors only
Stranded	0.75mm ² to 2.5mm ² (0.02in ² to 0.09in ²) (18-14AWG)
Solid	0.75mm ² to 2.5mm ² (0.02in ² to 0.09in ²) (18-16AWG)

See the STI catalog for additional information and product selection.

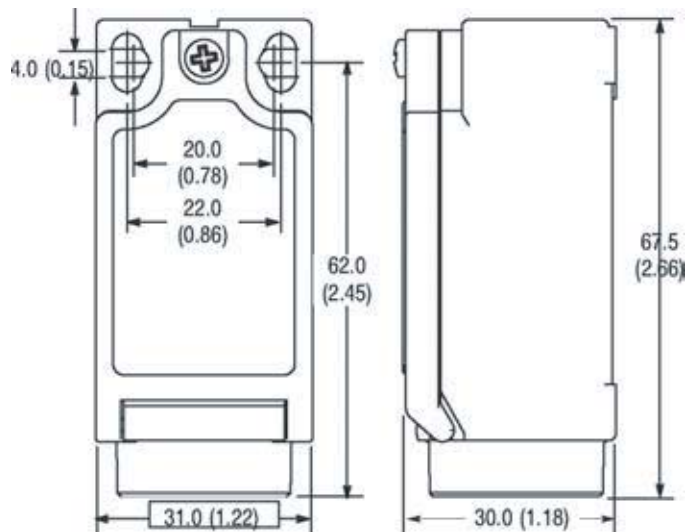


ATTENTION: Operator heads with adjustable actuators are NOT intended for safety applications.

Torque/Mounting

Location	Torque
Heads	0.4-0.45Nm
Covers	0.4-0.45Nm
M5 Mounting	2.5-3.0Nm
Wire Clamp	0.9-1.0Nm
Lever Clamp	1.4-1.5Nm
Conduit	1.0Nm

Dimensions—mm (inches)



Rotating Operator Heads

When rotating operator heads, follow these steps:

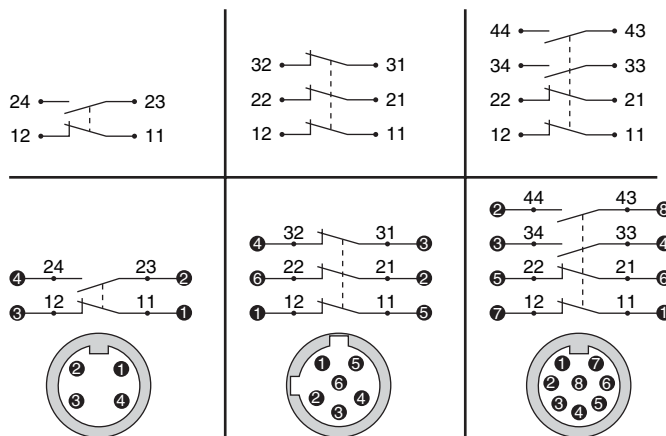
1. Loosen the head mounting screws and remove the operating head from the switch enclosure.

IMPORTANT: Internal operator head components can become dislodged when removing operator heads. Use caution during removal and assembly.

2. Orient the operator head in 1 of the 4 positions offered. Make sure the loose parts are positioned correctly before affixing the operator head to the switch enclosure.

3. Tighten the 4 screws per the recommended torque specifications above.

IMPORTANT: Check for switch operation with a continuity indicator before placing product in service.



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Scientific Technologies Incorporated



EC Declaration of Conformity

Scientific Technologies Incorporated (at 6550 Dumbarton Circle, Fremont, CA 94555-3611, U.S.A.) hereby declares that the products listed below are in conformity with the relevant provisions of the following EC Directive(s) when installed in accordance with the installation instructions contained in the product documentation: 73/23/EEC - Low Voltage Directive (as amended by 93/68/EEC), and 98/37/EC - Machine Safety Directive,

SL Safety Limit Switches SLM Mini Safety Limit Switches

and comply with the provisions of the following harmonized standards:

EN 292-1 : 1991 - Safety of machinery; Basic concepts, general principles for design – Part 1: Basic terminology, methodology.

EN 60947-1 : 1999 + A1 : 2000 + A2 : 2001 – Low-voltage switchgear and control gear, Part 1 General rules.

EN 60947-5-1: 1997 + A1 : 1999 + A12 : 1999 + A2 : 2000 - Low voltage switchgear and control gear – Part 5: Control circuit devices and switching elements – Section 1: Electromechanical control circuit devices.

EN 60204-1 : 1997 - Safety of machinery - Electrical equipment of machines, Part 1: General requirements.

EN 1088 : 1995 - Safety of machinery - Interlocking devices associated with guards. Principles for design and selection.

Signed

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Date

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