

# PROTECTIVE STOP CONTROL LIMIT SWITCH DEVICE



## TECHNICAL DOCUMENT

# INSTALLATION, TESTING, DESIGN, SETTING INSTRUCTION AND TECHNICAL DOCUMENTATION

PLEASE VISIT OUR YOUTUBE CHANEL OR  
WEBSITE FOR MORE INFORMATION



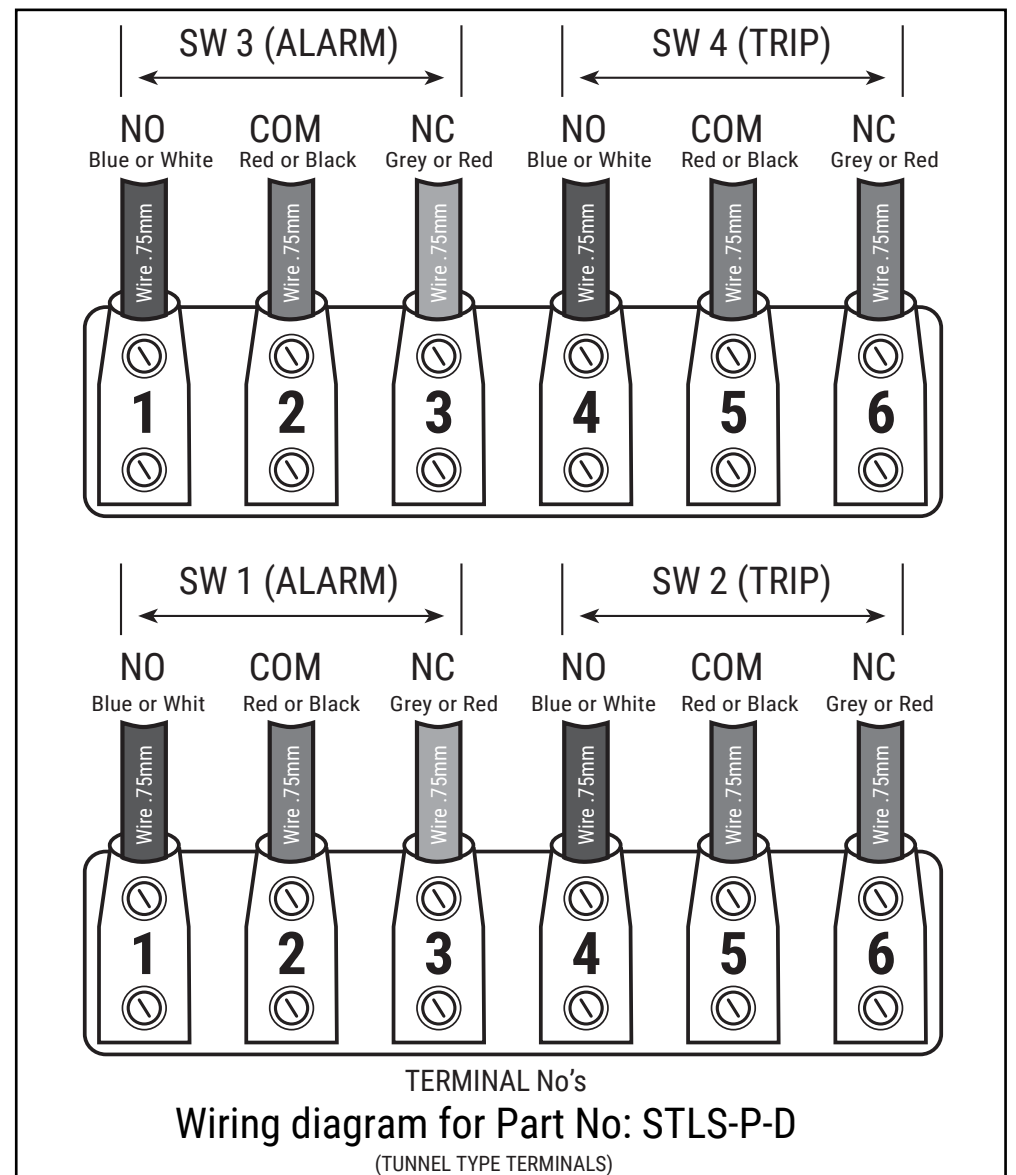
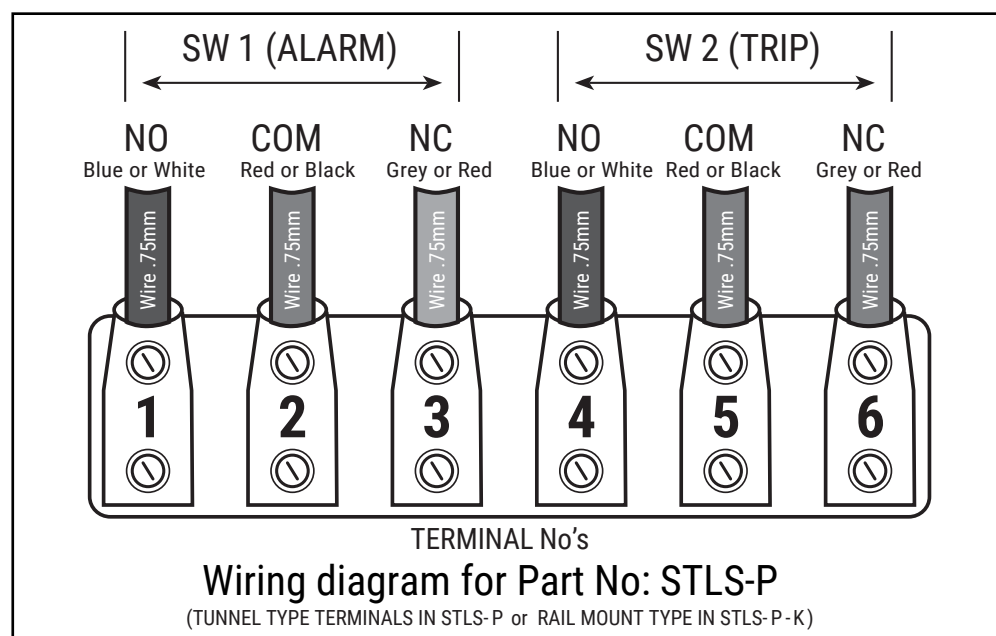
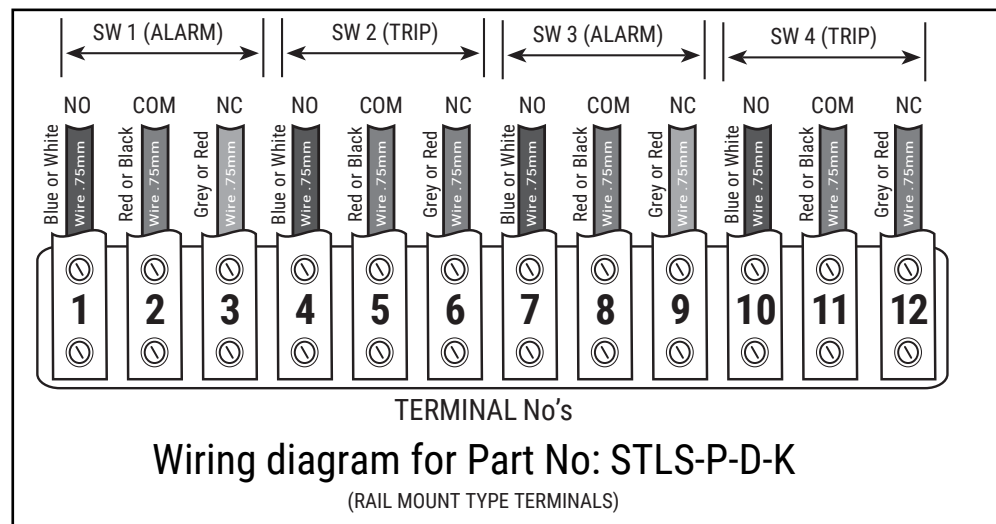
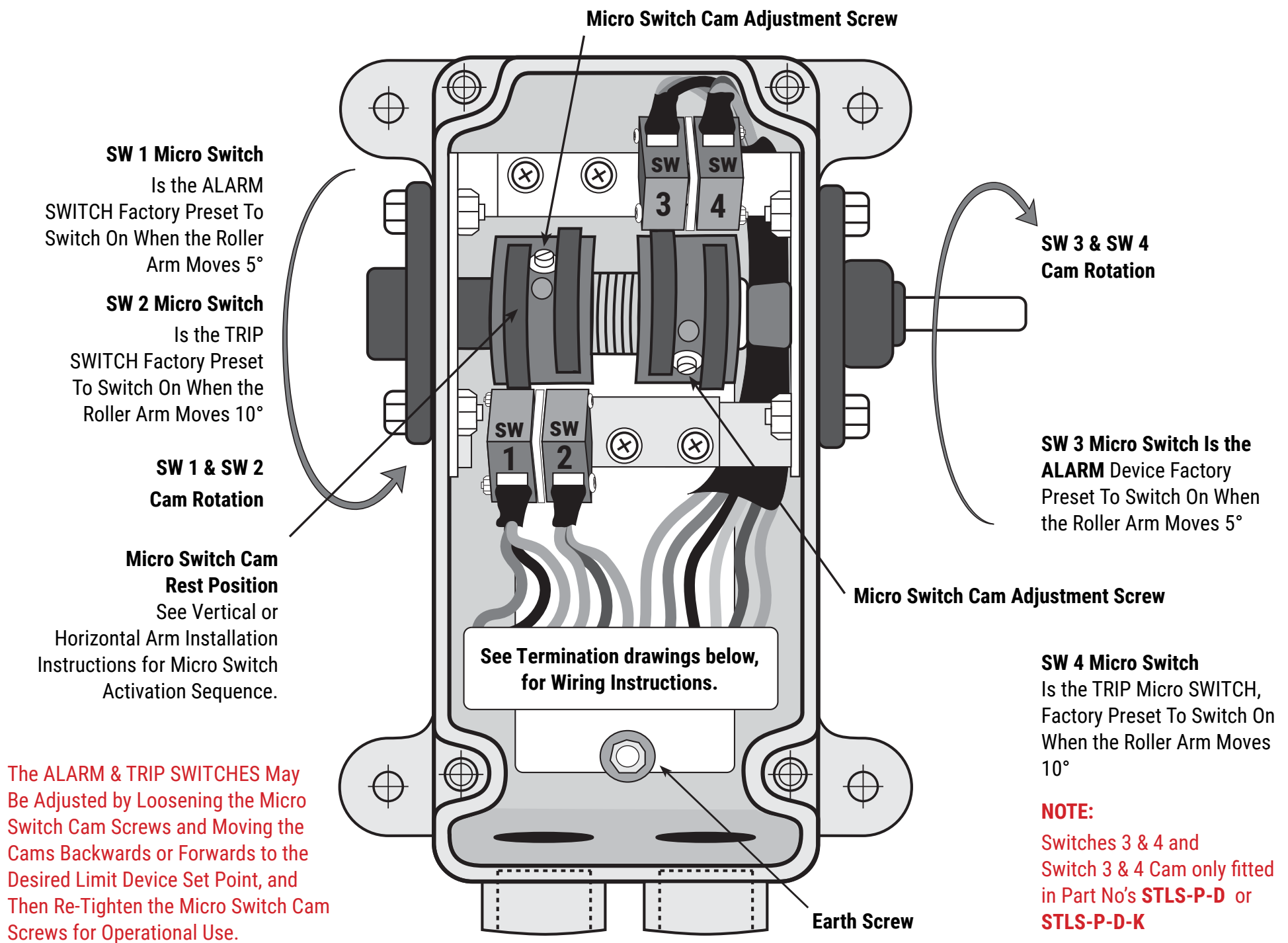
FOR MORE INFORMATION

[www.safe-t-products.com.au](http://www.safe-t-products.com.au)

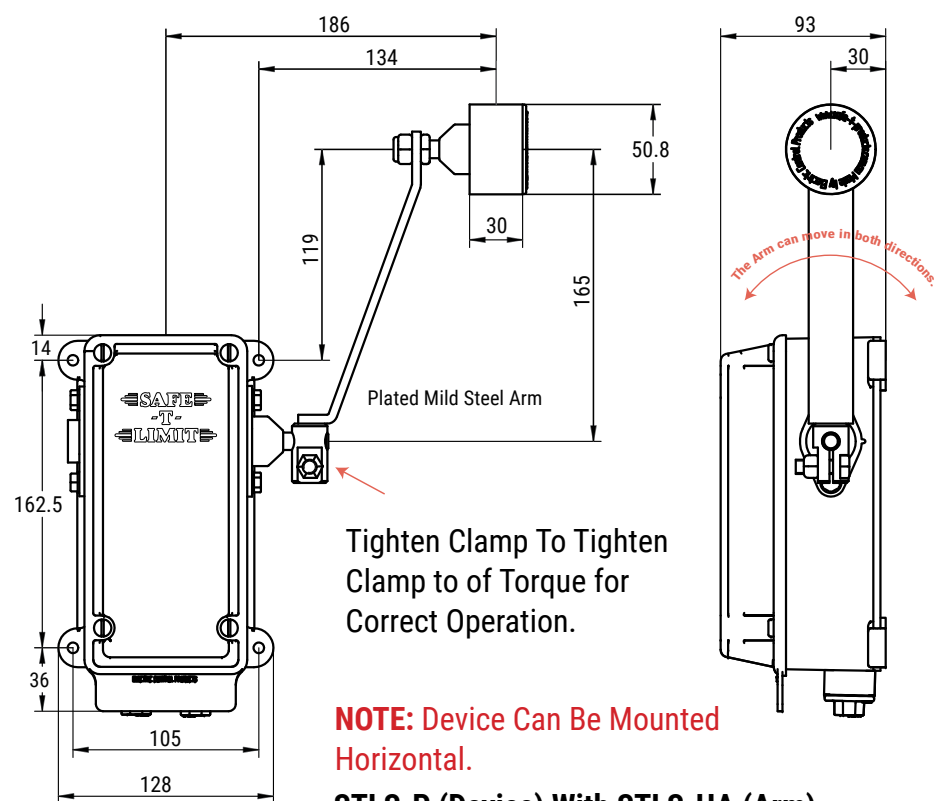


## STLS-P

## PROTECTIVE STOP CONTROL LIMIT DEVICE

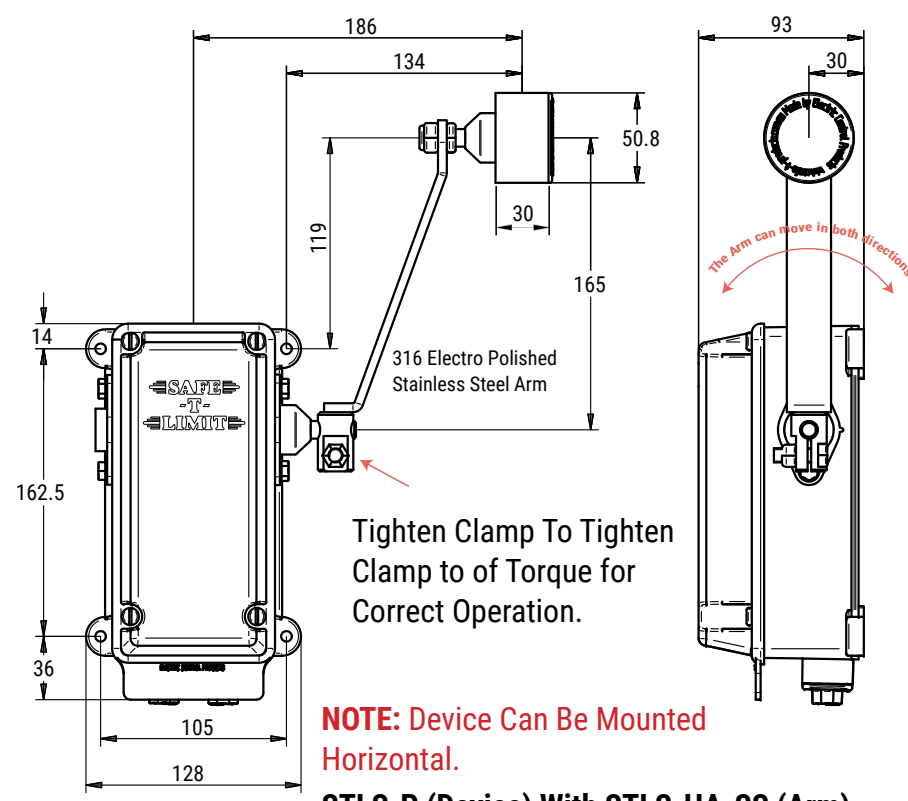


## STLS-P STLS-HA/STLS-HA-SS/STLS-LA/STLS-LS/ STLS-LA-SS (ARMS)



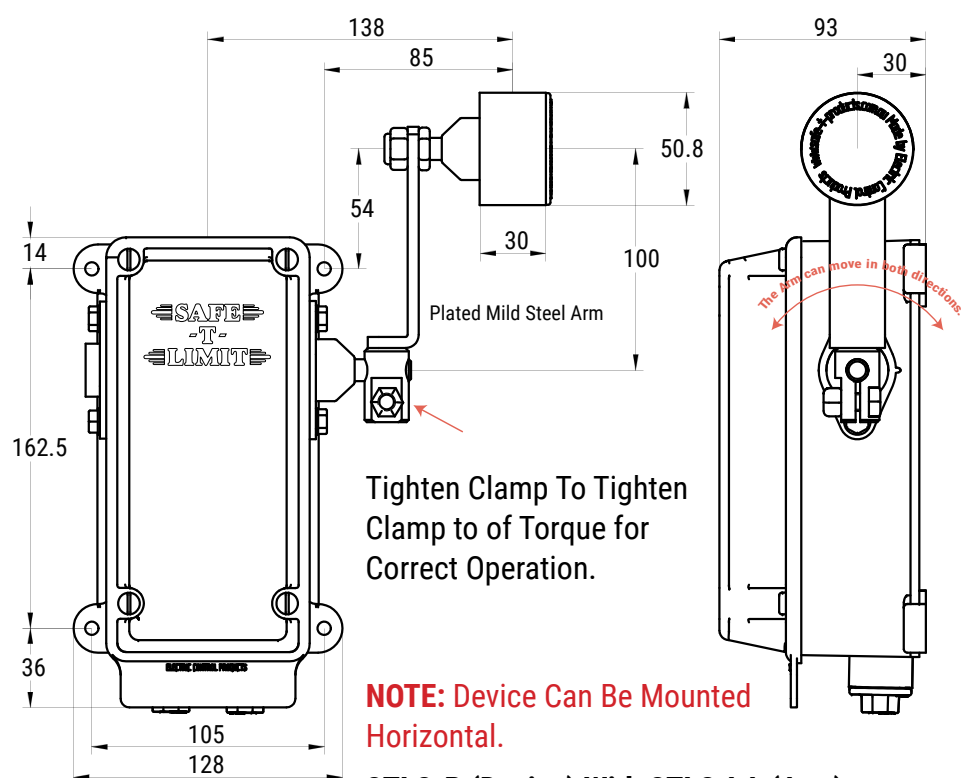
**STLS-P (Device) With STLS-HA (Arm)**

See page one for Micro Switch Operation.



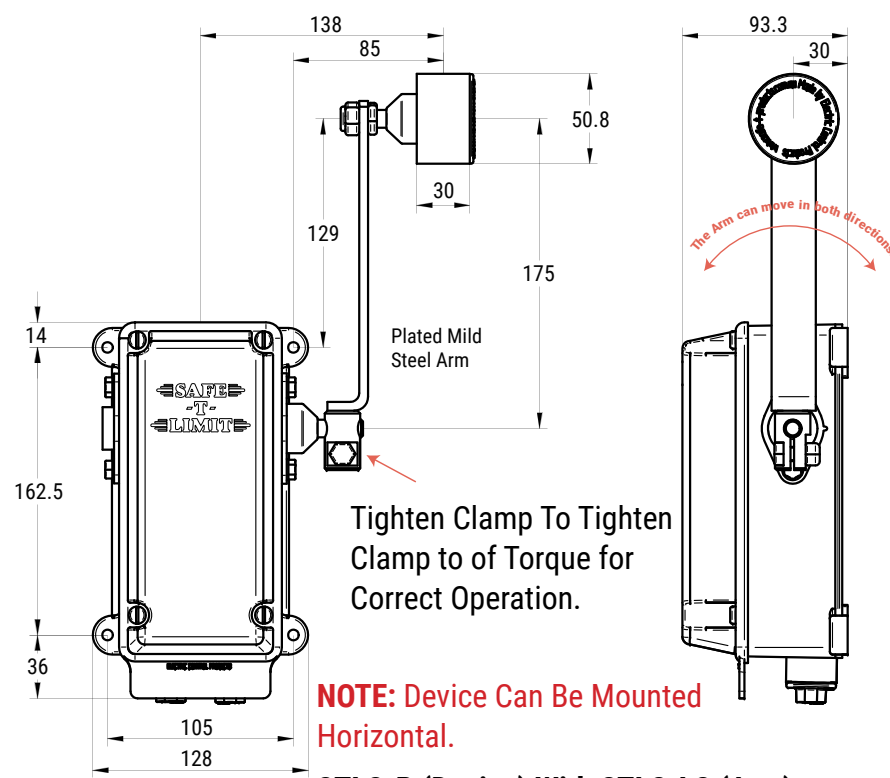
**STLS-P (Device) With STLS-HA-SS (Arm)**

See page one for Micro Switch Operation.



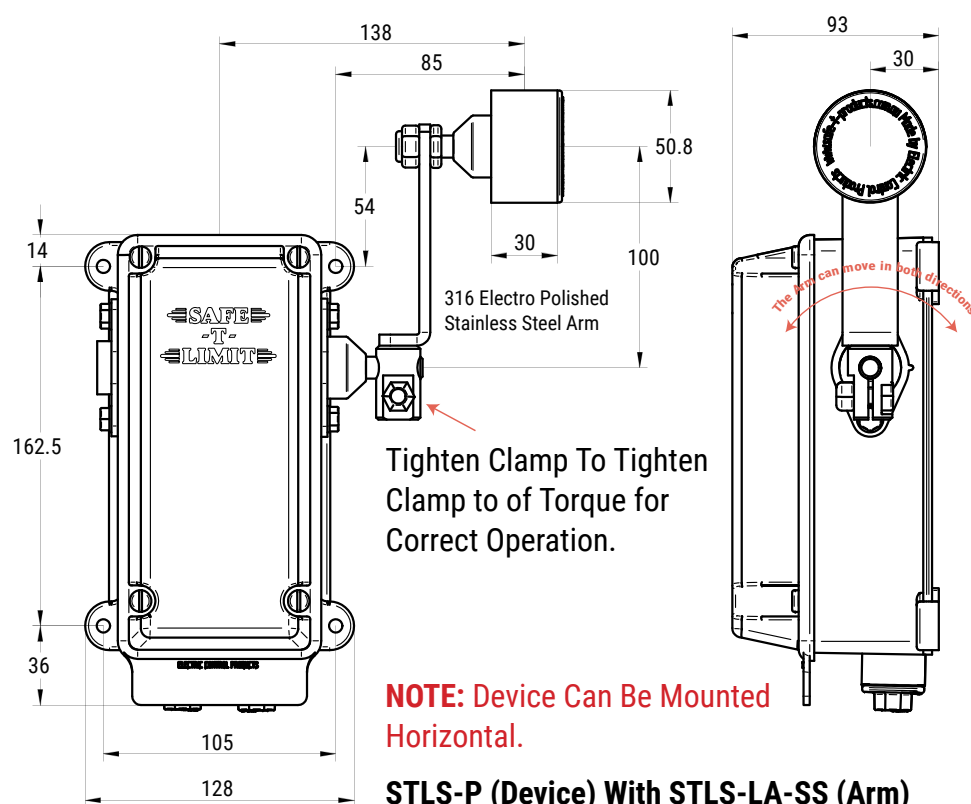
**STLS-P (Device) With STLS-LA (Arm)**

See page one for Micro Switch Operation.



**STLS-P (Device) With STLS-LS (Arm)**

See page one for Micro Switch Operation.

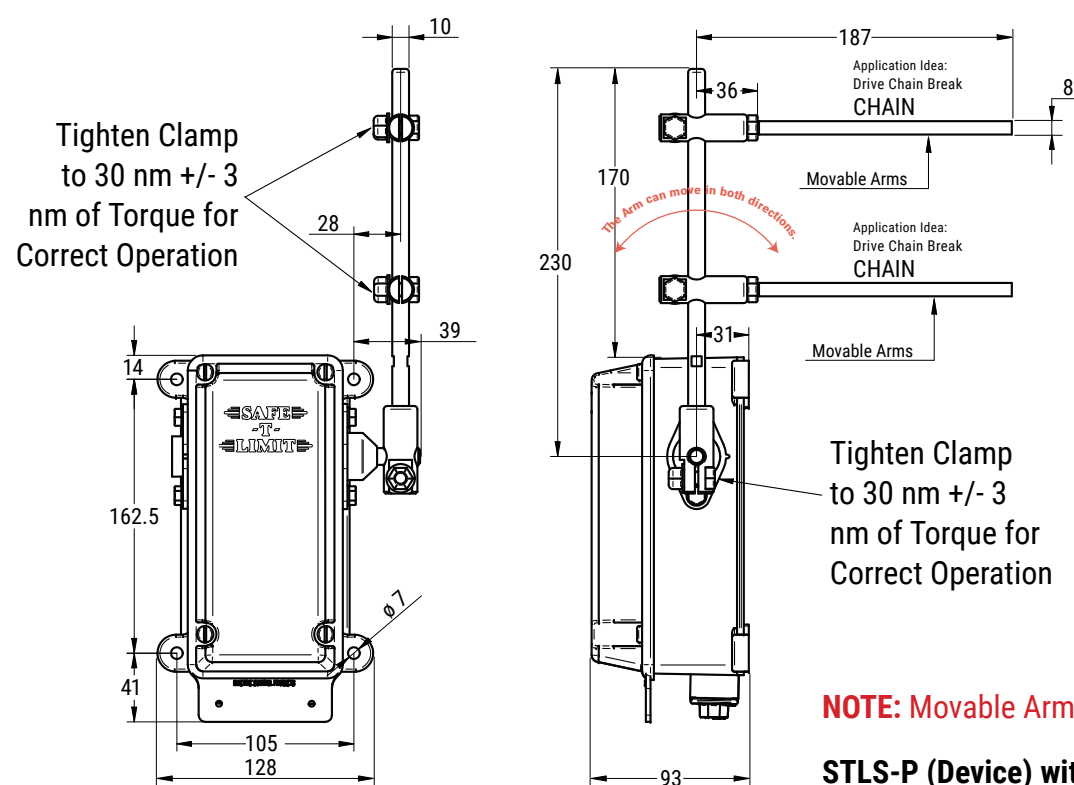
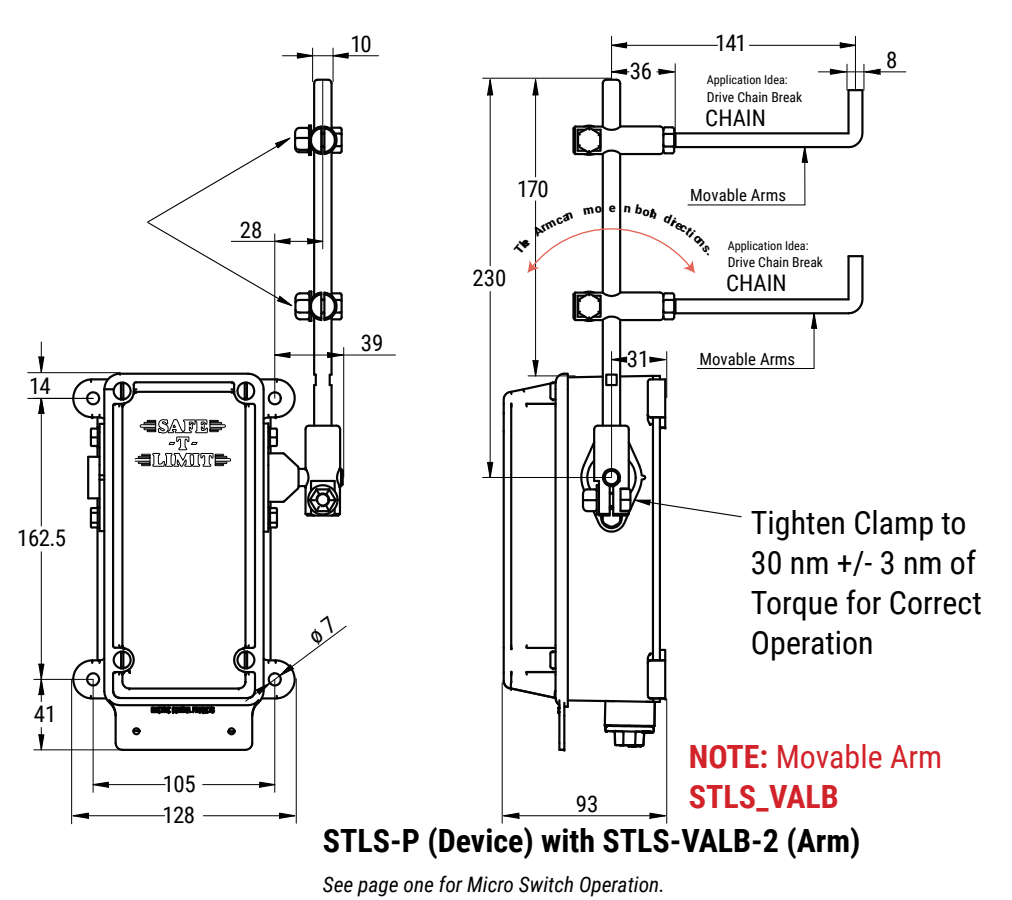
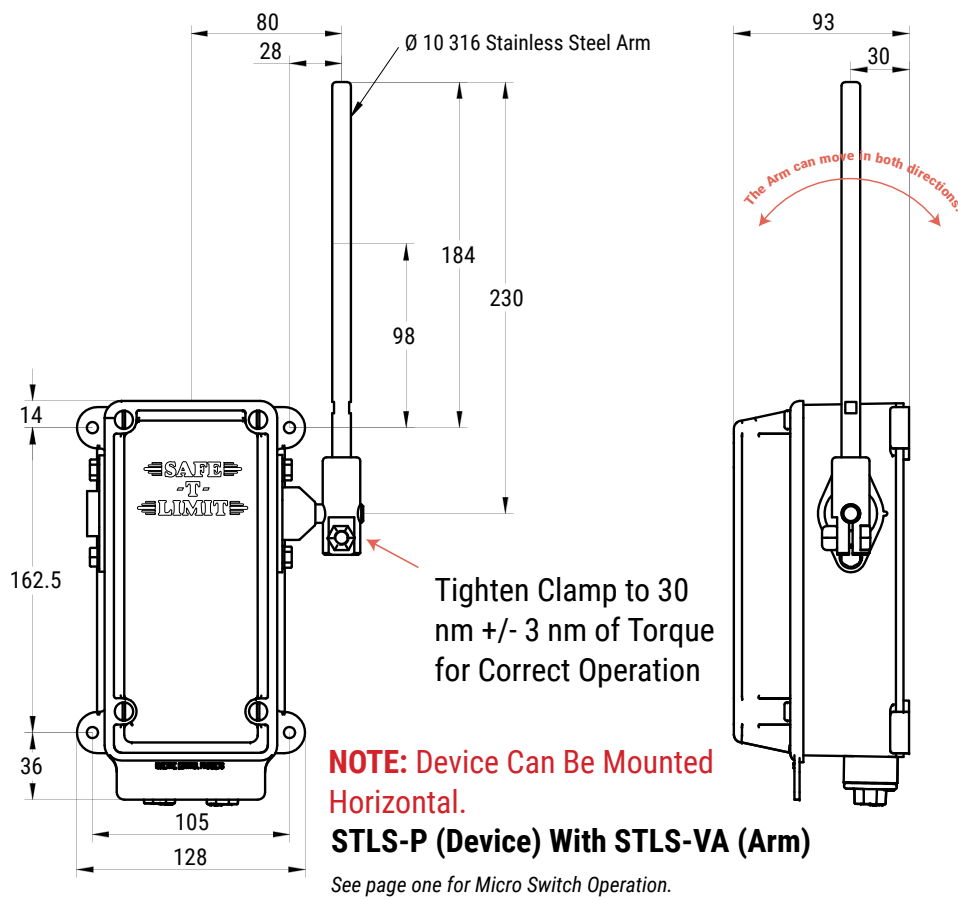
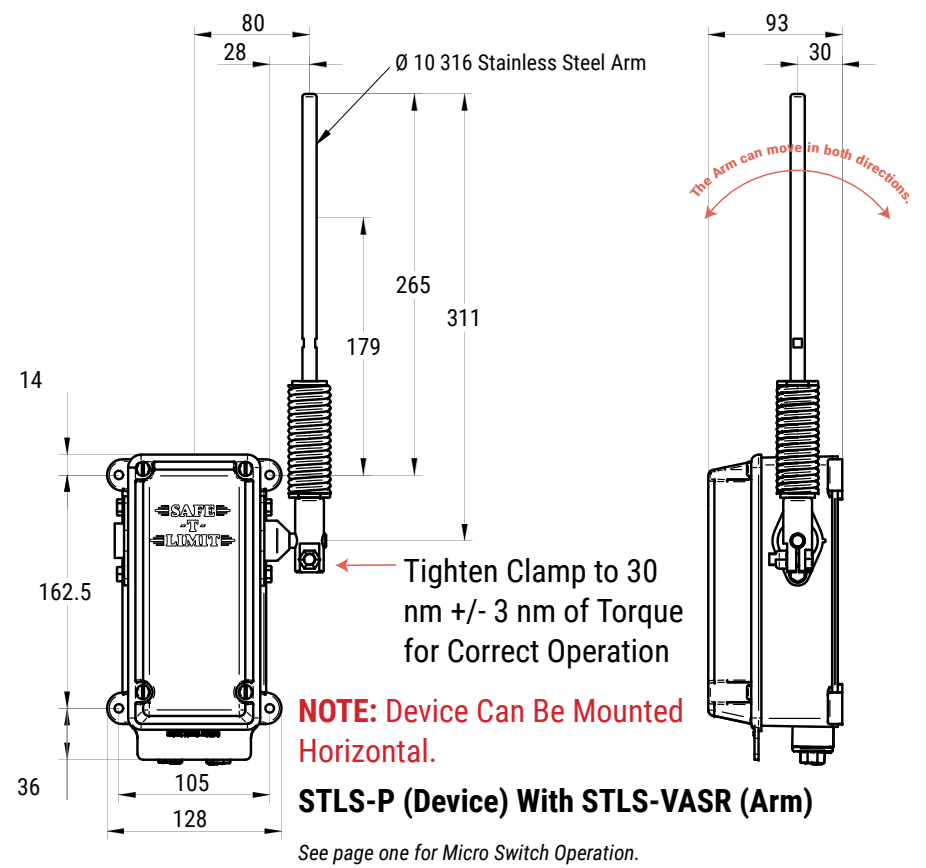
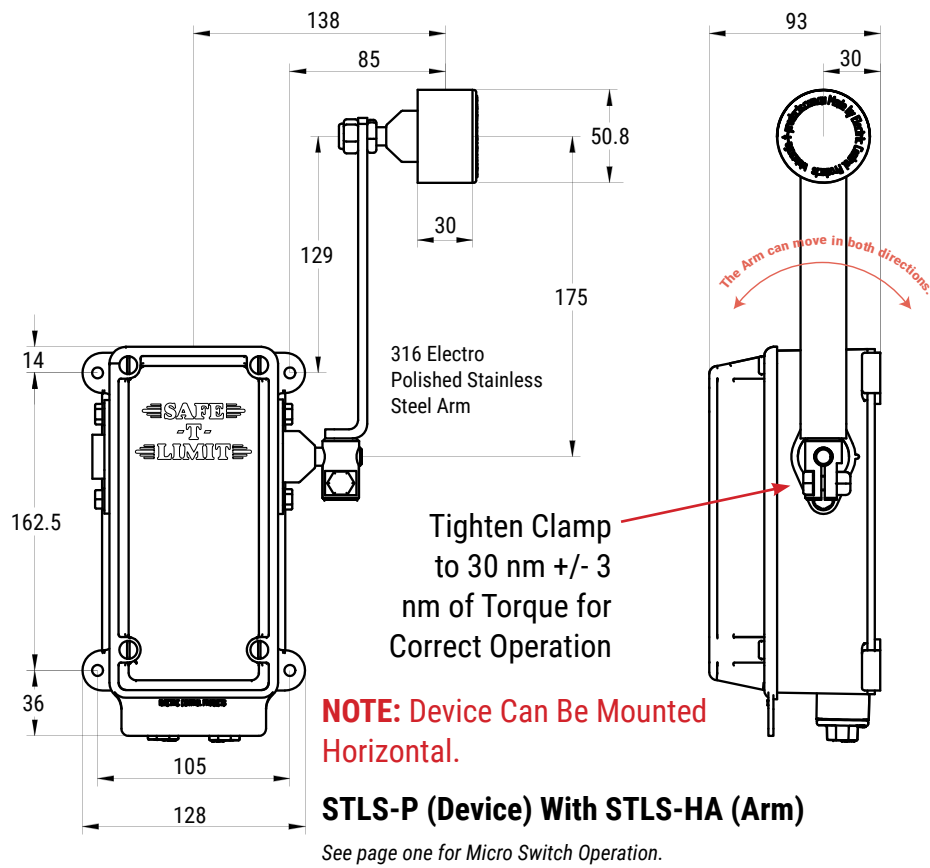


**STLS-P (Device) With STLS-LA-SS (Arm)**

See page one for Micro Switch Operation.



## STLS-P STLS-HA/STLS-VASR/STLS-VA/STLS-VALB-2/STLS-VASB-2 (ARMS)



## STLS-P

### STANDARD

The Safe-T-Limit complies with the relevant parts of these Standards

IEC 60947-5-1 ED. 4.0

Control circuit devices & switching elements

AS/NZS IEC 60947-5-1:2015

Control circuit devices & switching elements

AS4024.1-2014V

Safety of machinery

AS4024.3610-2015

Safety of machinery

AS4024.3612-2015

Safety of machinery

#### Ce Conformity to:

98/37/EEC

Machinery Directive

73/23/EEC

Low Voltage Directive

### WORKSHOP TESTED

All Devices are either hand or robotically tested by trained technicians before leaving Safe-T-Products and have a date and name label of manufacture inside them. The Devices are then packed insuring full working order to our stringent test parameters. A certification certificate is available on request for full compliance to the relevant standards.

### MODIFICATIONS OF DEVICE

Any modifications are ONLY to be made by Safe-T-Products or one of their registered repairers. Any unauthorized modifications may not comply with the relevant standards and may diminish the integrity and workings of the device and the warranty will become void.

Safe-T-Products and their registered repairers or distributors will not be responsible for any damage caused to the altered device or any item in, on, related or near the device, nor any injury incurred, nor actions resulting from the unauthorized alterations.

### RETURNS POLICY/RE-STOCKING

Please return any defective device to place of purchase for assessment. If they are deemed to be warranty repairs or not. Return warranty devices as per warranty clause. Restocking returns will only be accepted if received by Safe-T-Products in their original condition and within thirty (30) days of delivery date stated on delivery documentation. A restocking fee applies (contact place of purchase for costs).

### WARRANTY

Safe-T-Products of Perth Western Australia contact [info@safe-t-products.com.au](mailto:info@safe-t-products.com.au) warranty period is Twenty Four (24) months from date of purchase or longer if indicated by Safe-T-Products. For warranty to be valid the goods must be received by Safe-T-Products before the end of the Twenty Four (24) month period. Safe-T-Products warrants that if any product is defective, it will, at its option, replace or repair the product. **This warranty shall not apply to any defect which arises from improper use, failure to follow the products instruction, or any repair or modification made without the consent of Safe-T-Products.**

The customer must contact the Distributor of the product or Safe-T-Products of Perth Western Australia via Email [info@safe-t-products.com.au](mailto:info@safe-t-products.com.au) before returning the faulty product. If returned they must be suitably packaged and, where relevant, returned in accordance with any particular instructions which Safe-T-Products or one of its distributors may have notified the customer at the time of contact for warranty. **Returned products must be accompanied by an advice note stating the nature of any defect being claimed.** Any products or parts which are replaced by Safe-T-Products or one of its distributors shall become the property of Safe-T-Products. **Title to replacement products shall pass to the customer on delivery, and the period of the warranty shall be calculated from the date of the defective product.**

All warranty returns to Safe-T-Products will be sent by the customer's freight at their cost. All benefits under this warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### PRODUCT LIFE EXPECTANCY

Safe-T-Products estimate the product life expectancy to 10-15 years. Products should be changed after a maximum of 10 year life.

**NOTE:** Color fading is not necessarily product failure but a natural progression of any materials through it's life span. This is also dependent on the environment the product is installed in. A shorter or longer product life maybe experienced due to environmental situations. Safe-T-Products can't give a written life expectancy on any of it's products due to the different situations the products are used.

STLS-P

MAINTENANCE PROCEDURE

All Safe-T-Limit Devices require minimal maintenance but as in AS/NZS 4024.1:2014 a maintenance procedure MUST be carried out.

Recommended 6 Month Maintenance

- 1. Visual inspection of enclosure to ensure IP rating and correctly operating device. i.e. Damaged enclosure, bent actuator rod, damaged dust boot, damaged Limit Arm etc.
- 2. Activate the Safe-T-Limit Device vi the Limit Arm making sure it moves freely and returns to its set position (Note: STLS-LATCH won't return until pushed).
- 3. Inspect the Limit Arm and Roller for wear or deterioration and replace if necessary.

FULL SAFETY MAINTENANCE EVERY 12 MONTHS

Remove cover & check for corrosion or water ingress. Replace if necessary.  
Check electrical connections for security and corrosion.  
Clean lid seal and replace cover & torque down lid screws as per micro switch installation sheet.

ALL PLASTIC PRODUCTS

Product life expectancy

Safe-T-Products estimate the product life expectancy to 10-15 years  
A shorter or longer product life may be experienced due to environmental situations.

Safe-T-Products can't give a written life expectancy on any of its products due to the different situations the products are used.

PRODUCT SURFACE TREATMENT

STAINLESS STEEL ELECTRO POLISHING

Safe-T-Products' electro-polishing of its 316 stainless steel enclosures ensures product longevity in harsh conditions. By effectively removing all contaminants and iron from the surface of the stainless steel and drawing the chromium to the surface, this process creates a clean, non-rusting, and sterile surface. This level of precision and attention to detail in the treatment process ensures that stainless steel components remain corrosion-resistant and maintain their functionality and appearance over time.

POWDER COATED ALUMINIUM

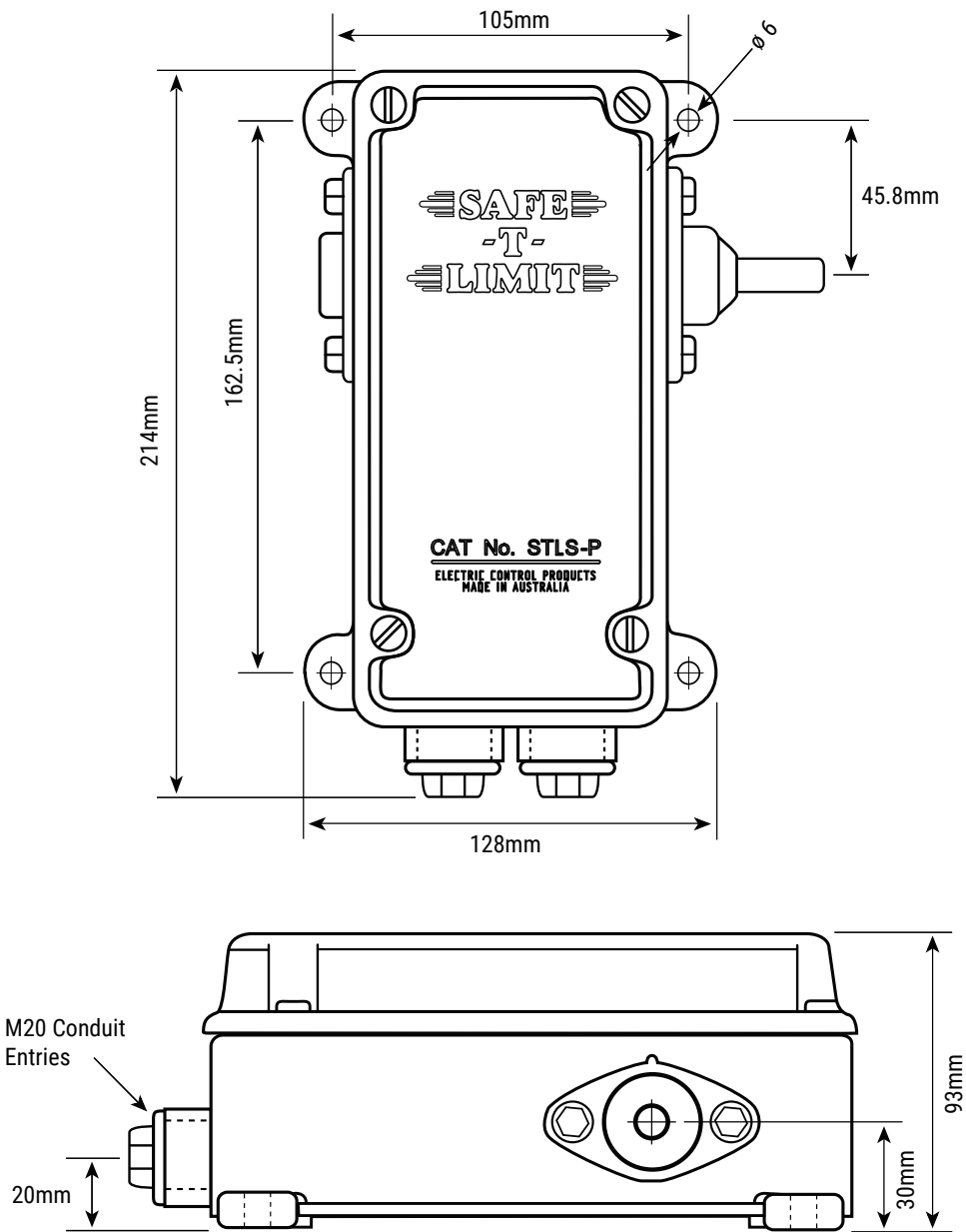
The powder coat used on the aluminum products is a halogen-free, low-smoke, orange or yellow polyester coating. This coating improves the longevity of the aluminum surface and resists corrosion in harsh environments.

TECHNICAL SUPPORT

Technical advice will be given at any time by Safe-T-Products or distributor on any of the Safe-T-Product range. Contact Safe-T-Products or your local distributor for this service.

OBSOLETE PRODUCTS

Notification will be given to distributors only for the products becoming obsolete and a time frame of when this will occur. Please contact distributor for this information.  
The obsolete product range will have spare parts for 12 months after becoming obsolete, or until run out, complete products will be available for a short time after it has become obsolete.



GENERAL CHARACTERISTICS

Safety Micro Switch with Direct Opening Action Specifications		
IEC 60947-5-1 Annex K classification	<input type="checkbox"/> Type 1 <input checked="" type="checkbox"/> Type 2 Direct Opening	
Change-over contact element	<input checked="" type="checkbox"/> C <input type="checkbox"/> Za <input type="checkbox"/> Zb	
Contact material	Ag-Ni	
Utilization category	AC-15	DC-13
Operational voltage	260 V	60V DC
Operational current	1,5 A	0.5 Amp DC
Frequency	50/60 Hz	--
Number of electrical cycles	6050 (6 min-1)	
Number of mechanical cycles	6050 (6 min-1)	
Short Circuit Protection Device	Fuse gG	
Ratings of SCPD	6A-690VAC	
IP Rating	67	
Service Temperature	-30° C No Icing	+80° C