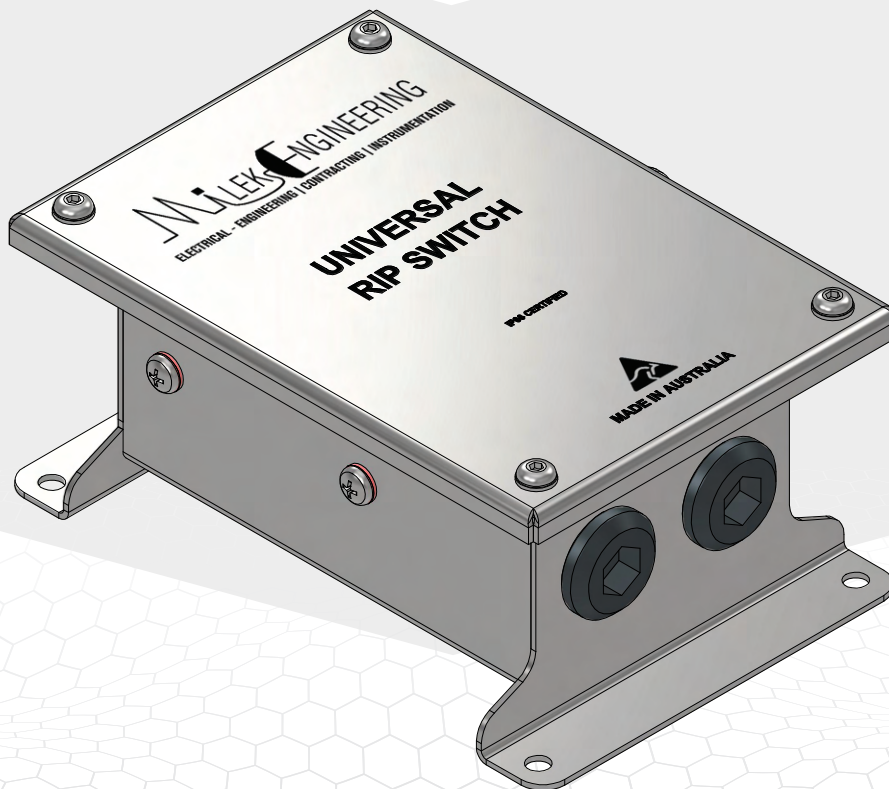


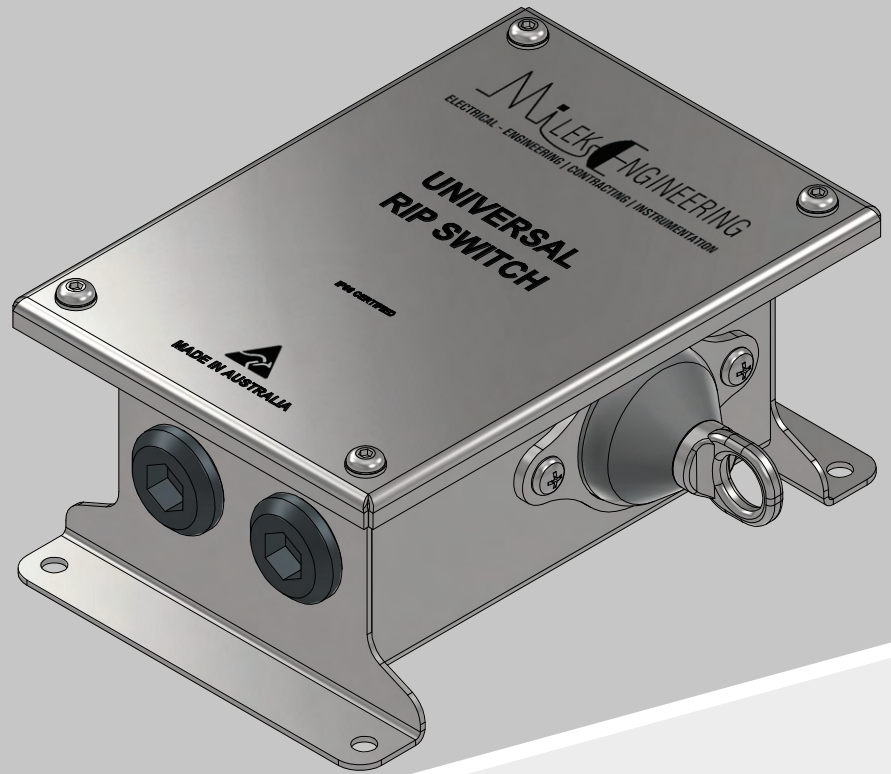
# UNIVERSAL BELT RIP SWITCH MANUAL



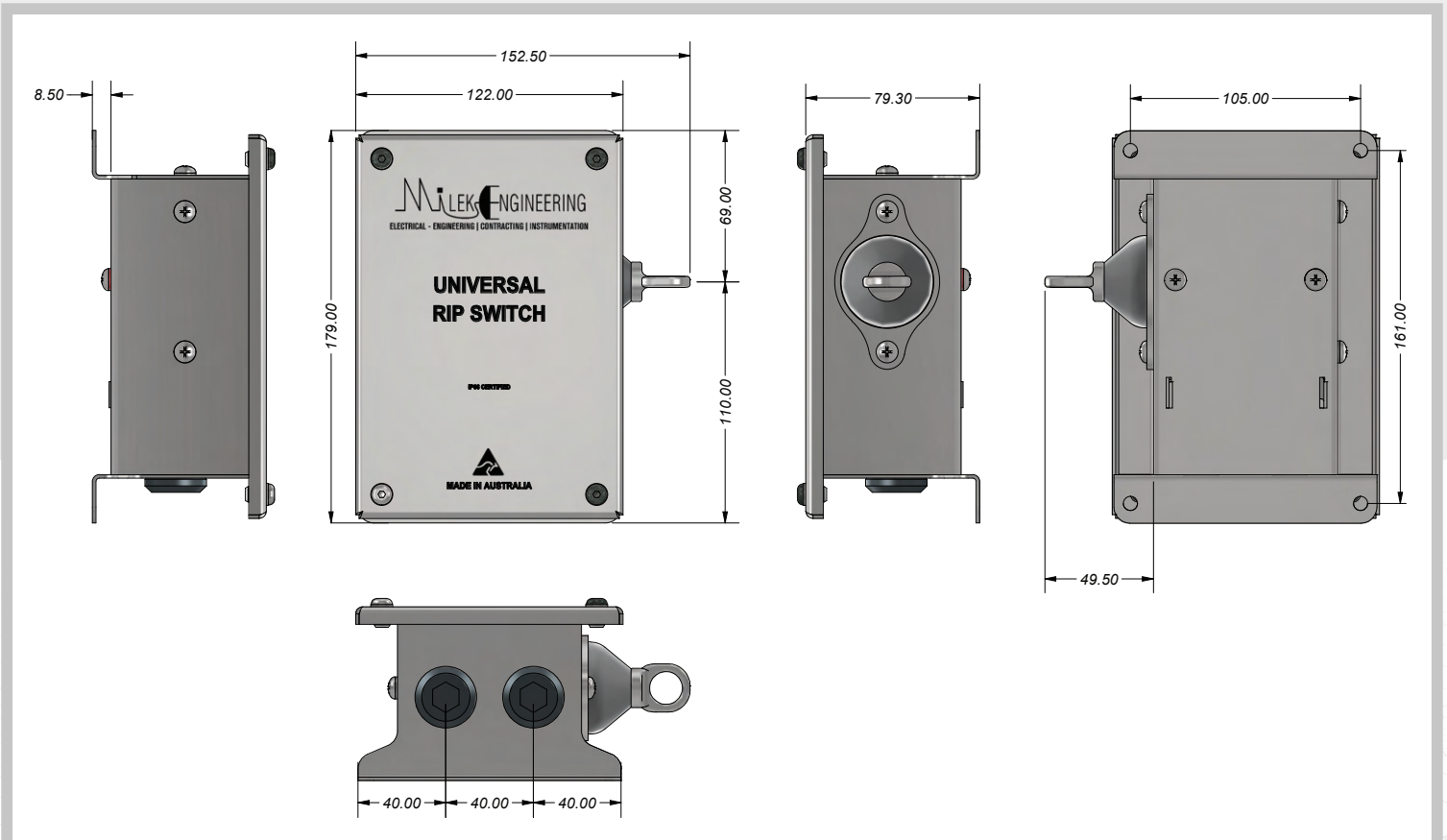
The Universal Belt Rip switch is utilised to provide Belt integrity detection as per AS4024.3611 for rips and tears in the conveyor belting. The Universal term refers to the ability for 4 possible locations for the receiver, top, left, right and rear.

## KEY ADVANTAGES:

- Australian Design & Manufacture
- Robust SS316 IP66 construction
- Single spare requirement for all combinations
- Additional detection lines can be added to a single device (RS001&RS002)
- Cord provided with tensioning rope grips accommodate belt width to 2.5m.



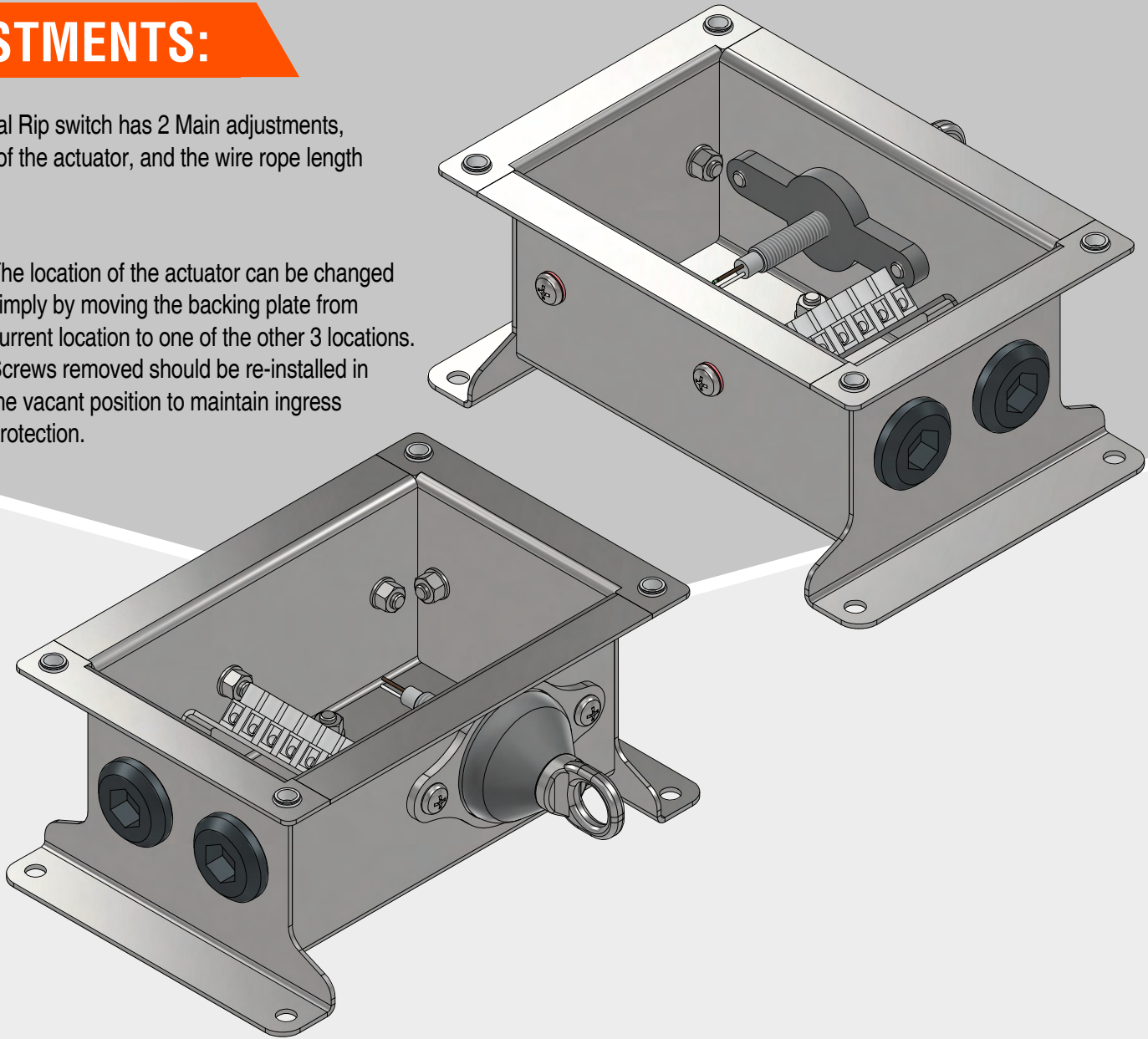
## DIMENSIONS:



## ADJUSTMENTS:

The Universal Rip switch has 2 Main adjustments, the location of the actuator, and the wire rope length adjustment.

- 1.** The location of the actuator can be changed simply by moving the backing plate from current location to one of the other 3 locations. Screws removed should be re-installed in the vacant position to maintain ingress protection.



- 2.** Adjustment of the wire rope length. 4m of flexible PVC coated SS wire lanyard is provided with each rip switch, which is adjusted to provide flexibility for belt width, point of attachment and tensioning. 3 tensioners are provided, and the wire rope can be adjusted by pushing the wire rope through these thimbles until the desired length is reached.



## SPECIFICATIONS:

### ENCLOSURE

STAINLESS STEEL 1.5MM G316

IP66 CERTIFIED

### SWITCHING DEVICE




<b>RATED POWER (MAX.)</b> ANT DC COMBINATION OF V&A NOT TO EXCEED THEIR INDIVIDUAL MAX'S	<b>100</b>	<b>W</b>
<b>SWITCHING VOLTAGE (MAX.)</b> DC OR PEAK AC	<b>1000</b>	<b>V</b>
<b>SWITCHING CURRENT (MAX.)</b> DC OR PEAK AC	<b>1</b>	<b>A</b>
<b>CARRY CURRENT (MAX.)</b> DC OR PEAK AC	<b>2.5</b>	<b>A</b>
<b>CONTACT RESISTANCE (MAX.)</b> @ 0.5V & 50MA	<b>150</b>	<b>mOhm</b>
<b>BREAKDOWN VOLTAGE (MIN.)</b> ACCORDING TO EN60255-5	<b>1.5</b>	<b>kVDC</b>
<b>OPERATING TIME (MAX.)</b> INCL. BOUNCE; MEASURED WITH W/ NOMINAL VOLTAGE	<b>1.1</b>	<b>ms</b>
<b>RELEASE TIME (MAX.)</b> MEASURED WITH NO COIL EXCITATION	<b>0.05</b>	<b>ms</b>
<b>INSULATION RESISTANCE (TYP.)</b> RH<45%, 100V TEST VOLTAGE	<b>10<sup>10</sup></b>	<b>Ohm</b>
<b>SHOCK RESISTANCE (MAX.)</b> 1/2 SINE WAVE DURATION 11MS	<b>50</b>	<b>g</b>
<b>VIBRATION RESISTANCE (MAX.)</b>	<b>20</b>	<b>g</b>
<b>OPERATING TEMPERATURE</b> CABLE NOT MOVED	<b>-30 to 70</b>	<b>°C</b>
<b>OPERATING TEMPERATURE</b> CABLE MOVED	<b>-5 to 70</b>	<b>°C</b>
<b>STORAGE TEMPERATURE</b>	<b>-30 to 70</b>	<b>°C</b>

## CONNECTIONS:

The reed switch configuration is a single pole double throw changeover switch.

COLOUR	FUNCTION
WHITE	Common
GREEN	N/O
BROWN	N/C

## SPARE PARTS:

PART NUMBER	DESCRIPTION	PHOTO
RS01	Actuator Assembly	
RS02	Receiver Plate	
RS03	Reed Switch	
RS04	Rope Kit Including wire rope, eye bolt, 2x tension thimbles	