

Thermo Tilt™ Switch

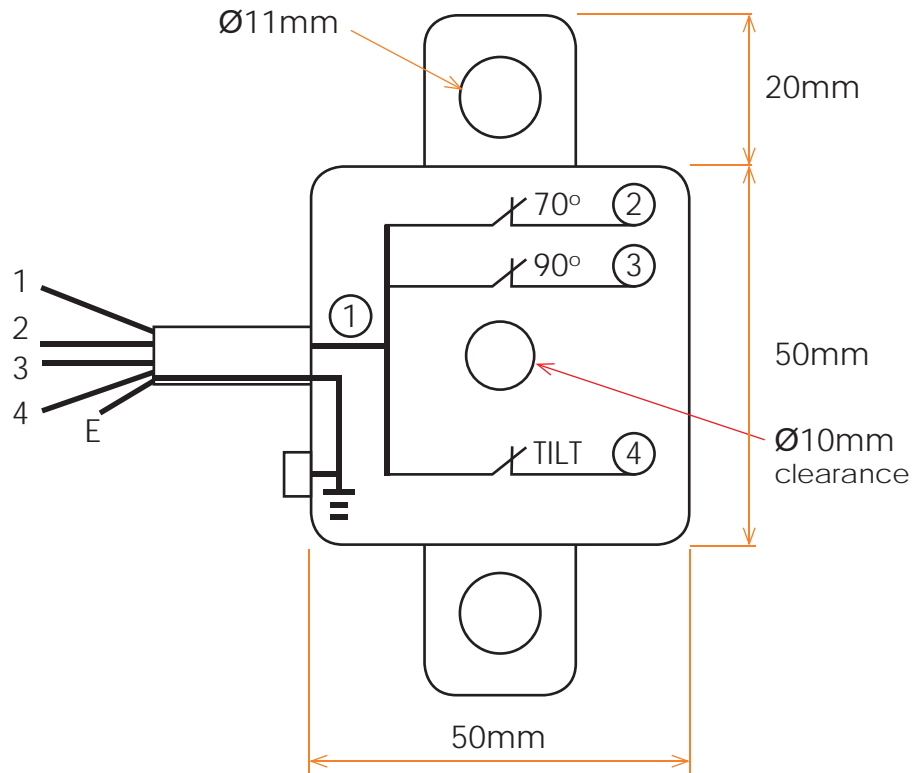


Reliable · Economical · Robust

Leveltec Engineering has manufactured tilt switches used throughout the Mining Industry for many decades assuring customers of not only top quality but repeatability.

The Thermo tilt range brings together proven tilt switch technology and simple robust temperature switching devices to detect both over temperature and changed orientation in normally static machinery.

Note: LTT70903-01 Internal Switching arrangement. Alternatives available on request

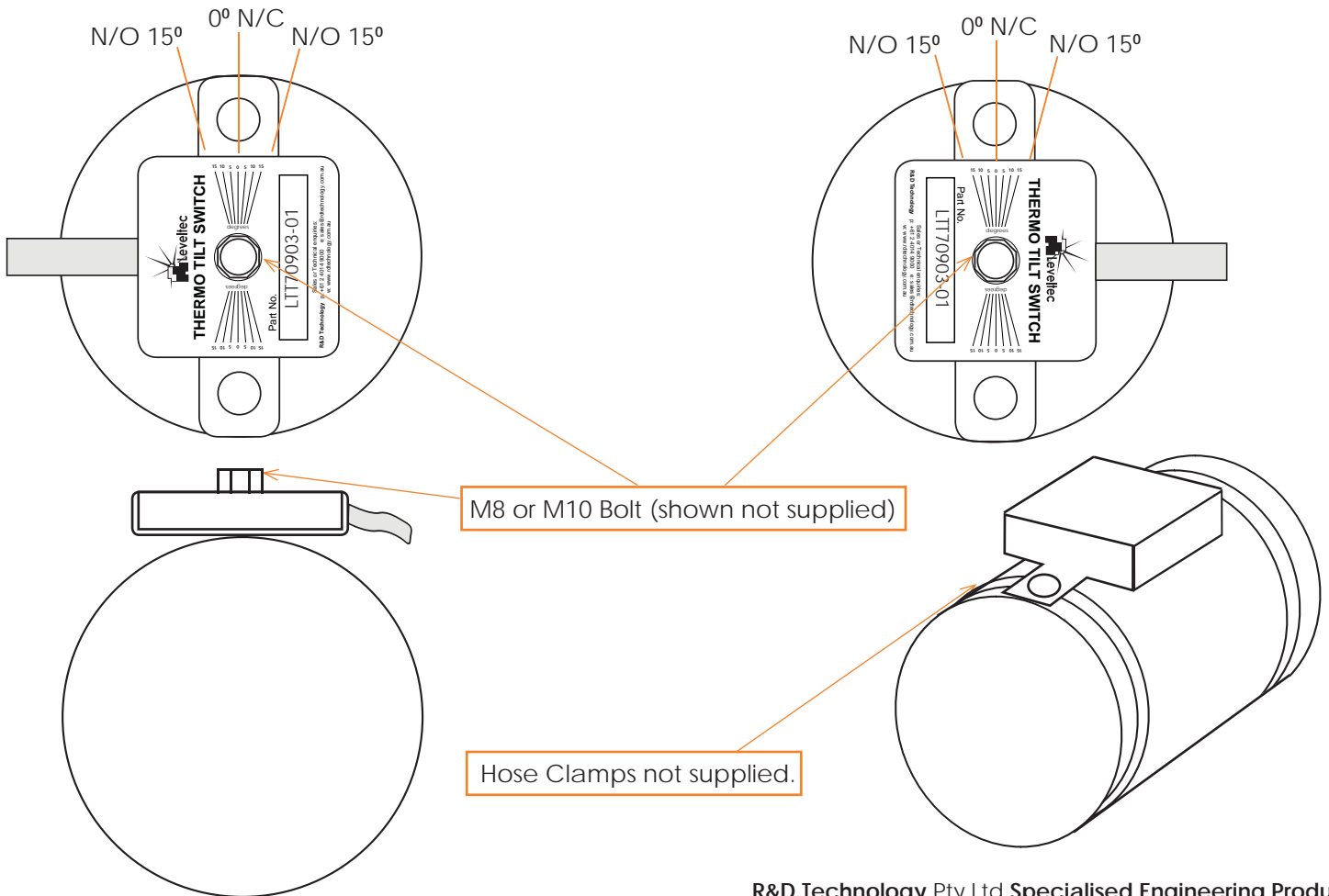


Thermo tilt has as standard three individual switching outputs allowing the installer to know what fault has occurred (whether over temperature, tilt or a combination of both) and then decide what action needs to be taken. Alternative Switching arrangements available on request.

Each unit is factory tested to confirm operation within tolerances and is supplied with easy to understand installation instructions.

Specifications		LTT50703-01	LTT70903-01
Casing:		Stainless steel	
Electronics:		Passive device	
Sealant:		Polyurethane	
Electrical:		120VAC-1A resistive / 48VDC-1A resistive	
Tilt:		Sealed mercury switch (further encapsulated) Normally Closed (N/C) in normal conditions	
Thermal switches:		Sub miniature bimetal thermostat. Normally Closed (N/C) in normal conditions	
Safety:		All metal parts are bonded to the earth core in cable.	
Cable length:		Standard cable length 3 metres (others on request)	
Cable protection:		Stainless steel flexible conduit 1 metre from Thermo tilt (others on request)	
Tilt orientation:		Contacts open Approximately 15 degrees in all vertical planes and 15 degrees from top dead centre.	
Operating Temperature:	Alarm 1	50°C (open +/- 5°C, reset (close) 30°C	70°C (Open +/-5°C, reset (close) 50°C
	Alarm 2	70°C (open +/- 5°C, reset (close) 50°C	90°C (Open +/-5°C, reset (close) 60°C
Maximum temperature:		160°C (long term exposure limit).	
Mounting:		Horizontal or vertical via M8 or M10 bolt through centre of Thermo tilt or via M10 trough external tag mount or clamped to shaft.	

Mounting options for Thermo Tilt Switch



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