



Series QTT

General Purpose Pressure Switches



QTT sensing element, has excellent temperature properties by adopting a self temperature compensation foil strain gauge. A diaphragm and a pressure port are composed as one body for the prevention of leakage. It can control the system without any controller due to the output of a 2-channel NPN open collector switch.

Feature

- Electrical pressure switch with no mechanical moving part
- Fast response 1ms
- Measuring range 0~400MPa
- Two pressure setting points
- Self temperature compensation foil strain gauge
- Stainless steel media-wetted materials

Applications

- Process control
- Hydraulics & Pneumatic
- Compressor Control
- Chillers
- Refrigeration Equipment

SPECIFICATIONS

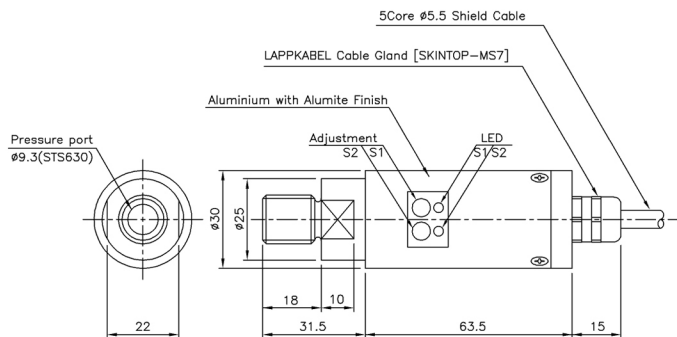
		QTTI	QTTL
Range		0~1, 2, 3, 5, 10, 20, 30, 35, 50, 100, 250, 400MPa (Gauge)	
		-0.1~0, 1, 2, 3, 5, 10, 20, 30, 35, 50, 100, 250, 400MPa (Gauge)	
Performance			
Accuracy		±1%FS	
Hysteresis		3%FS (Factory Setting)	
Thermal Effect on Zero		±0.1%FS/°C	
Thermal Effect on Span		±0.1%FS/°C	
Compensated Temperature Range		-10 ~ 70°C	
Operating Temperature Range		-20 ~ 80°C	
Electrical			
Excitation		11 ~ 28VDC	
Output	(analog) (switch)	1~3VDC	NPN Open Collector 28V 80mA Max. Cable
Switch Load Current			
Electrical Connection			
Physical			
Proof Pressure		150%FS Max.	
Burst Pressure		200%FS Min.	
Vibration		49.1m/s ² {5G}, 10~500Hz	
Shock		490m/s ² {50G}	
Pressure port		R(PT)3/8"	
Media-Wetted Materials		Stainless Steel 630	
Weight		Approx. 180g (include cable 1m)	

* Specifications are subject to change without notice

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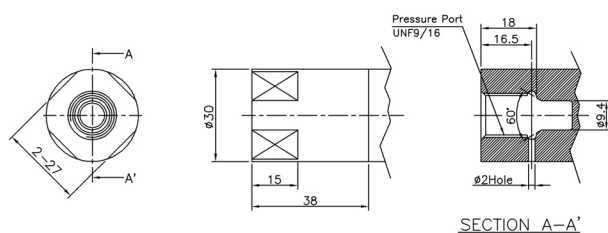


Dimension

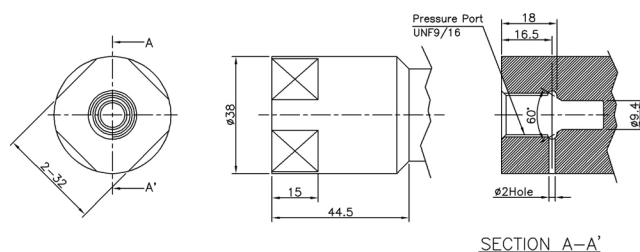


Wire Color	Connections	
	QTTI	QTTL
Red	Power ○+	Power ○+
Black	Com. ○-	Com. ○-
Green	Analog Output ○+	×
Yellow	Switch 1	Switch 1
White	Switch 2	Switch 2
Shield	Earth	Earth

► Port of 250MPa Type

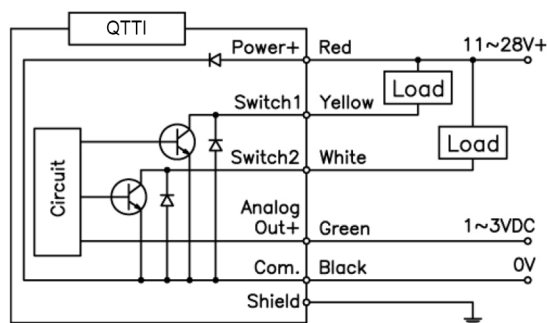


► Port of 400MPa Type

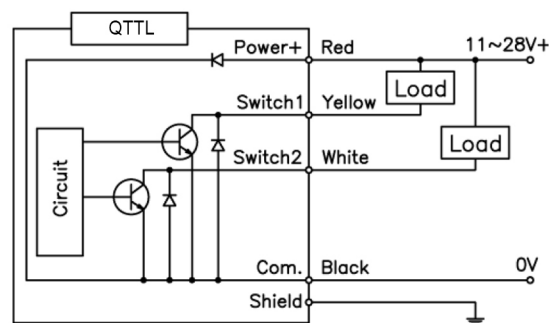


Circuit Diagram

► QTTI



► QTTL



Ordering Information

Model Name	QTT	L	0010	K	A	S	A	Option
Output								A : Normal
Pressure Range								Connecting Methods
XXXX : Pressure								S : Cable Gland
CXXX : Compound Pressure								Pressure port
								A : R(PT)3/8"
								K : UNF9/16"(Female)
								Pressure Unit
								M : MPa
								B : bar
								K : kgf/cm ²
								P : psi

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