

KT-75 SERIES

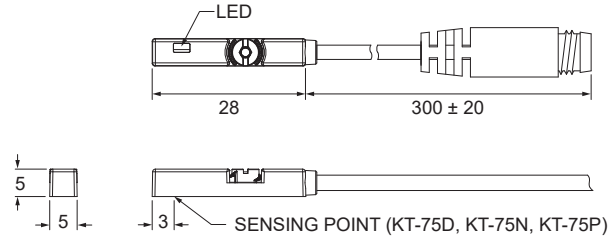


Patented



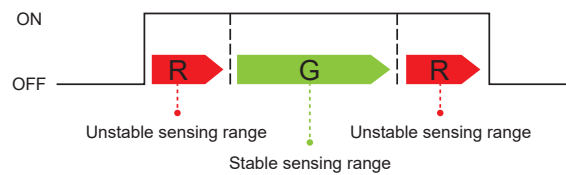
Dimensions

KT-75D, KT-75N, KT-75P /
KT-75D-QD, KT-75N-QD, KT-75P-QD



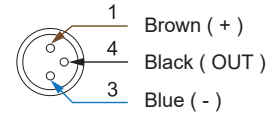
Unit : mm

SW Out

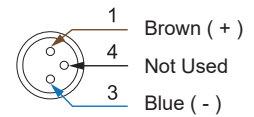


QD Pinout

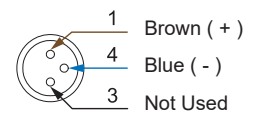
3 wire QD wiring



2 wire QD wiring

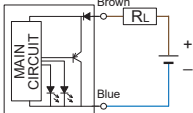
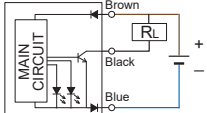
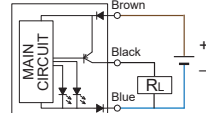


2 wire EQD wiring



- Dual Color LED allow more precise positioning

Specifications

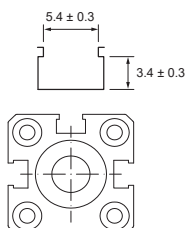
MODEL	KT-75D		KT-75N	KT-75P
Connect Diagram				
	2-Wire Type		3-Wire Type	
Characteristics	Solid State Output, Normally Open			
Wiring Method	2-Wire Type		3-Wire Type	
Switching Logic	Solid State Output, Normally Open			
Sensor Type	-		NPN Current Sinking	PNP Current Sourcing
Operating Voltage	10 ~ 28 V DC			
Switching Current	80 mA max.			
Contact Rating ※1	2 W max.			
Current Consumption ※2	-		10 mA @ 24 V DC max.	
Voltage Drop ※2	4 V max.		1.5 V max.	
Leakage Current ※2	1 mA max.		0.05 mA max.	
Indicator	Red LED : unstable sensing range ; Green LED : stable sensing range			
Lead Wire	Ø2.8 PUR - 26 AWG (0.15 mm ²) - 2 cores		Ø2.8 PUR - 26 AWG (0.15 mm ²) - 3 cores	
Operating Frequency	1000 Hz			
Magnet Requirement ※2, 3	85 Gauss			
Temperature Range	-10 ~ 60 °C			
Shock ※4	50 G			
Vibration ※5	9 G			
Enclosure	IEC 60529 IP67			
Protection Circuit ※6	2, 3, 4			

NOTE

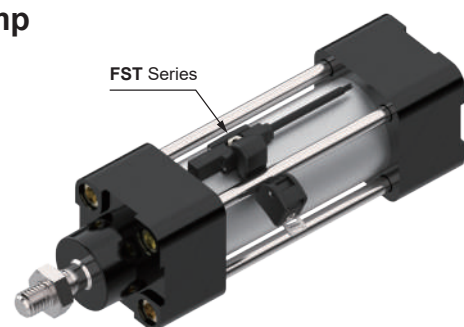
- ※1 : WARNING : Never exceed rating (Watt = Voltage × Amperage).
Permanent damage to sensor will occur.
※2 : It bases on conditions of voltage 24 V DC, ambient temp. 25 °C and 2 meters cable of sensor. Voltage drop increases in pace with cable length.
※3 : Measuring standard target : Ø15.5 × Ø8 × 5t (Anisotropy rubber magnet)

- ※4 : Sin wave / X, Y, Z 3 directions / 3 times each direction / 11 ms each time.
※5 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X, Y, Z 3 directions / 1 hour each time.
※6 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Clamp



Unit : mm