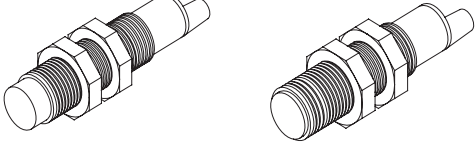
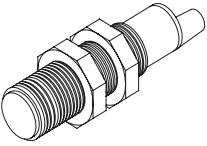
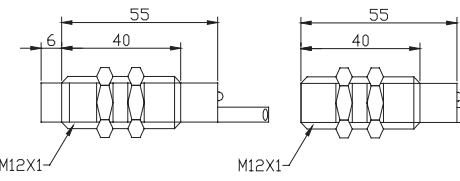
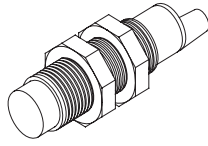
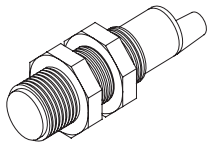
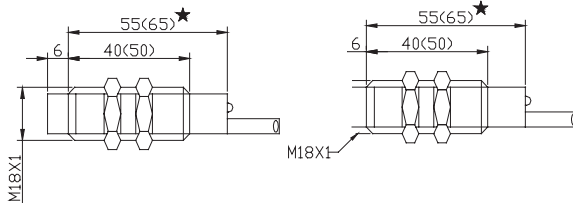
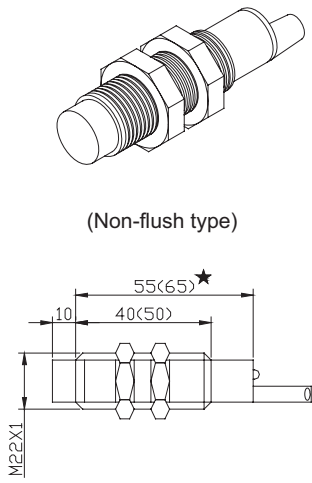
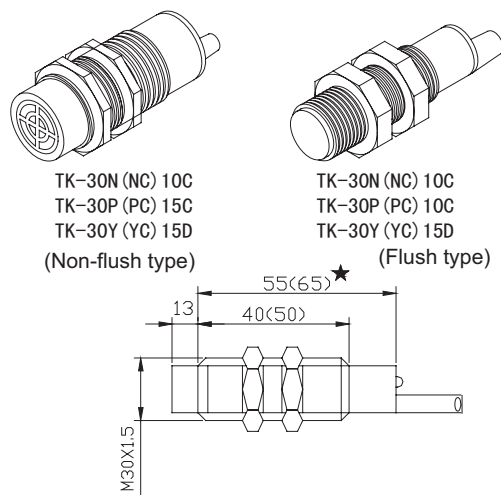


TK Proximity Sensor Technical Specification

Model		Three-Wire DC.		Three-Wire DC.		Two-Wire AC.
Code	Output	DC		DC		AC
		NPN	PNP	NPN	PNP	
	NO	TK-12N2 (4) C	TK-12P2 (4) C	TK-18N5 (8) C	TK-18P5 (8) C	TK-18Y5 (8) D
NC	TK-12NC2 (4) C	TK-12PC2 (4) C	TK-18NC5 (8) C	TK-18PC5 (8) C	TK-18YC5 (8) D	
Appearance (mm)	 <p>TK-12N (NC) 4C TK-12P (PC) 4C (Non-flush type)</p>  <p>TK-12N (NC) 2C TK-12P (PC) 2C (Flush type)</p>  <p>M12X1</p>		 <p>TK-18N (NC) 8C TK-18P (PC) 8C (Non-flush type)</p>  <p>TK-18N (NC) 5C TK-18P (PC) 5C (Flush type)</p>  <p>M18X1</p>			
Dimension	M12×53 (L)		M18×53 (L)			
Object	Magnetism metal(The detected distance of non-magnetism metal decreased)					
Detect Object	Steel 12×12×1mm		Steel 18×18×1mm			
Stipulated Distance	2.0mm	4.0mm	5.0mm	8.0mm		
Mounting Distance	2mm: 0~1.6mm	4mm: 0~3.2mm	5mm: 0~4.0mm	8mm: 0~6.4mm		
Frequency	2mm≤600Hz	4mm≤400Hz	5mm≤400Hz	8mm≤200Hz	≤20Hz	
Power Voltage	DC 10-30V		DC 10-30V		AC 90-250V	
Hysteresis	Less than 10% stipulate distance					
Control output	DC: Resistive load max ≤ 200mA		Inductive load max ≤ 100mA			
	AC: Resistive load max ≤ 300mA		Inductive load max ≤ 150mA			
Residual Voltage	DC: ≤2V (At DC 24V 200mA)		/ AC: ≤10V (At AC 220V 300mA)			
Leakage Current	DC ≤0.5mA (At DC 24V)		/ AC: ≤0.5mA (At AC 220V)			
Insulation Impedance	≥100MΩ (At DC 500V)					
Dielectric Strength	AC 1000V 1min (At 50/60HZ)					
Indicating lamp	Yellow					
Protection Degree	IP66 (IEC)					
Ambient Temperature	-25℃-70℃					
Length Output	Standard length 2m					

Note: "★" is the dimension of AC proximity sensor.

TK Proximity Sensor Technical Specification

Model		Three-Wire DC.		Two-Wire AC.	Three-Wire DC.		Two-Wire AC.
Code	Output	DC		AC	DC		AC
		NPN	PNP		NPN	PNP	
	NO	TK-22N10C	TK-22P10C	TK-22Y10D	TK-30N10 (15) C	TK-30P10 (15) C	TK-30Y15D
NC	TK-22NC10C	TK-22PC10C	TK-22YC10D	TK-30NC10 (15) C	TK-30PC10 (15) C	TK-30YC15D	
Appearance (mm)		 <p>(Non-flush type)</p>			 <p>TK-30N (NC) 10C TK-30P (PC) 15C TK-30Y (YC) 15D (Non-flush type)</p> <p>TK-30N (NC) 10C TK-30P (PC) 10C TK-30Y (YC) 15D (Flush type)</p>		
Dimension		M22 × 53 (L)			M30 × 53 (L)		
Object		Magnetism metal(The detected distance of non-magnetism metal decreased)					
Detect Object		Steel 22×22×1mm			Steel 30×30×1mm		
Stipulated Distance		10.0mm			10.0mm	15.0mm	
Mounting Distance		0~8.0mm			0~8.0mm	0~12.0mm	
Frequency		≤200Hz		≤20Hz	10mm≤200HZ	15mm≤100HZ	≤20Hz
Power Voltage		DC 10~30V		AC 90~250V	DC 10~30V		AC 150~250V
Hysteresis		Less than 10% stipulate distance					
Control output		DC: Resistive load max ≤ 200mA			Inductive load max ≤ 100mA		
		AC: Resistive load max ≤ 300mA			Inductive load max ≤ 150mA		
Residual Voltage		DC: ≤2V (At DC 24V 200mA) AC: ≤10V (At AC 220V 300mA)					
Leakage Current		DC: ≤0.5mA (At DC 24V) AC: ≤0.5mA (At AC 220V)					
Insulation Impedance		≥100MΩ (At DC 500V)					
Dielectric Strength		AC 1000V 1min (At 50/60HZ)					
Indicating lamp		Yellow					
Protection Degree		IP66 (IEC)					
Ambient Temperature		-25℃~70℃					
Length Output		Standard length 2m					

Note: "★" is the dimension of AC proximity sensor.