

Sensor switch

For miniature HI-ROTOR
Adjustable sensor switch

Simultaneously using this sensor switch
with PRO series will render a more versatile
angle setting.



Ordering Instructions

Sensor switch

FR - 20PRN

①

②

① Sensor switch type

FR : CT-3

FU : CT-3U

② Suitable HI-ROTOR

1PRNA : PRNA1S

3PRNA : PRNA3S

10PRN : PRNA10S

20PRN : PRNA20S

30PRN : PRN30S/D

3PRO : PROA3S

10PRO : PROA10S

20PRO : PROA20S

30PRO : PRO30S/D

Switch

CT-3 R U

①

②

③

① Sensor switch type

CT-3 : NPN

② Sensor switch setup

R : Right side

L : Left side

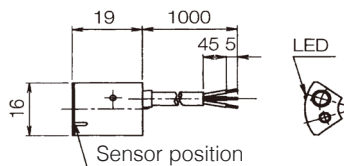
③ Wiring specifications

No mark : Axial

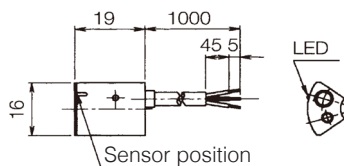
U : Perpendicular

Shapes and sizes of sensor switch (Unit: mm)

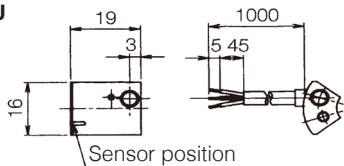
CT-3R



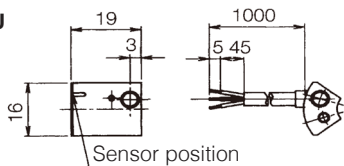
CT-3L



CT-3RU



CT-3LU



Specifications

Model No.	Unit	CT-3
Sensor switch type		Proximity switch
Applications		Relay, PLC, IC Circuit
Output mode		NPN
Load voltage	V	DC5~30
Load current	mA	5~200
Maximum current consumption	mA	max. 20 (24V) max. 10 (12V) max. 4 (5V)
Maximum leakage current	μm	max. 10
Internal pressure drop	V	1.5
Response time	ms	1
Shock resistance	m/s ²	490
Operating ambient temperature	°C	5~60
Protecting class		IP67
Wiring	Color	Oil resistant, black core wire 3-core cord
	Length	m 1

Delay and response range of the sensor switch (Unit: mm)

HI-ROTOR	Response range	Delay
CT-3	23°±7°	Approximately 2°