

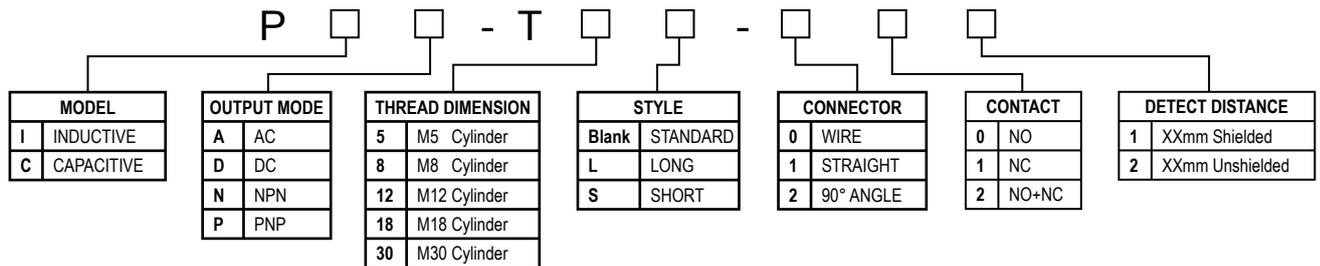
M8 - Long Housing - Inductive Sensor



Features:

- Inductive sensor, style: cylinder shape, diameter: 8mm.
- DC 3-wire (10-30V DC) *DC 2-wire (5V DC) also available on request
- Connection mode: 3 wire or 3 pin connector
- Mounting distance: shielded (1mm), unshielded (2mm)
- With LED operation indicate lamp, easily identifiable
- Brass chrome plated, proof of oil, water acid, alkaline
- Standard sensing object: ferrous metals
- Protection rate: IP67, water resistant
- Over-current protection
- Widely applied in measuring, Counting, Rpm measuring in mechanism, chemical, paper manufacture light industry, etc.

ORDERING CODE INFORMATION



ORDERING CODES

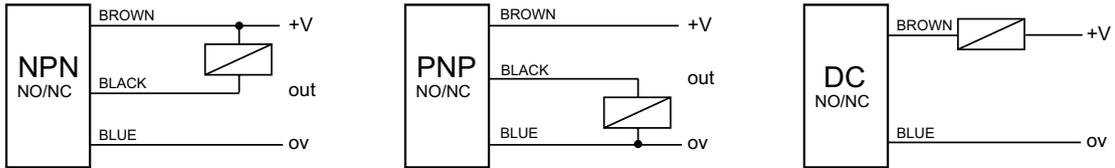
Model and Type	Output Type	Mounting Distance	Current Output	Power Supply	Connector Model
PIN-T8L-001	NPN NO	1mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIN-T8L-011	NPN NC	1mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIN-T8L-002	NPN NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIN-T8L-012	NPN NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIN-T8L-101	NPN NO	1mm SHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIN-T8L-111	NPN NC	1mm SHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIN-T8L-102	NPN NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIN-T8L-112	NPN NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIN-T8L-201	NPN NO	1mm SHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIN-T8L-211	NPN NC	1mm SHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIN-T8L-202	NPN NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIN-T8L-212	NPN NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIP-T8L-001	PNP NO	1mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-T8L-011	PNP NC	1mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-T8L-002	PNP NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-T8L-012	PNP NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-T8L-101	PNP NO	1mm SHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIP-T8L-111	PNP NC	1mm SHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIP-T8L-102	PNP NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIP-T8L-112	PNP NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
PIP-T8L-201	PNP NO	1mm SHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIP-T8L-211	PNP NC	1mm SHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIP-T8L-202	PNP NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PIP-T8L-212	PNP NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR
PID-T8L-001	DC 2 WIRE NO	1mm SHIELDED	≤ 200mA	DC 10-30V	2 WIRE
PID-T8L-011	DC 2 WIRE NC	1mm SHIELDED	≤ 200mA	DC 10-30V	2 WIRE
PID-T8L-002	DC 2 WIRE NO	2mm UNSHIELDED	≤ 200mA	DC 10-30V	2 WIRE
PID-T8L-012	DC 2 WIRE NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	2 WIRE
PID-T8L-101	DC 2 WIRE NO	1mm SHIELDED	≤ 200mA	DC 10-30V	STRAIGHT PLUG IN CONNECTOR
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PID-T8L-212	DC 2 WIRE NC	2mm UNSHIELDED	≤ 200mA	DC 10-30V	90 DEGREE PLUG IN CONNECTOR

TECHNICAL SPECIFICATIONS

Property Project	Specific Parameter
Mounting Distance	1mm shielded / 2mm unshielded
Sensing Distance	0...0.9mm shielded / 0...1.8mm unshielded
Power Supply	10...30VDC
Frequency	1.5K~2K Hz
Current Output	200mA
Ambient Temperature	-20°C-70°C
Against Polarity Reversal	YES
Short Circuit Protected	YES
IP Rating	IP67

ELECTRICAL CONNECTION

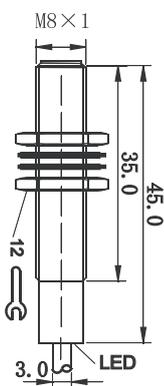
PICTURE OF PRODUCT



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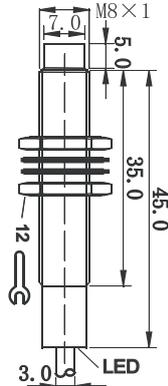
Flush (shielded)

Unit: mm



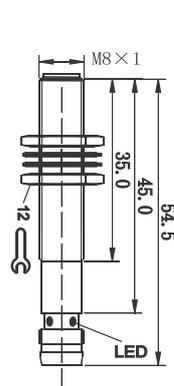
Non-Flush (unshielded)

Unit: mm



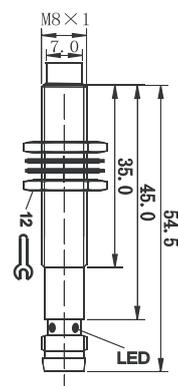
Flush (shielded)

Unit: mm



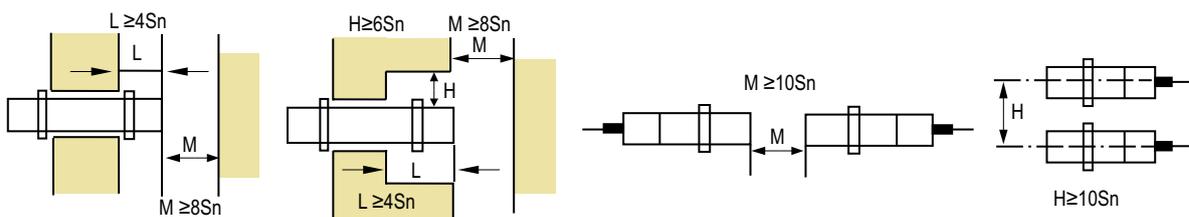
Non-Flush (unshielded)

Unit: mm



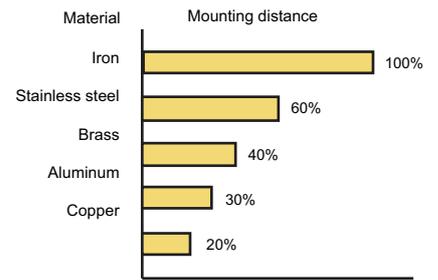
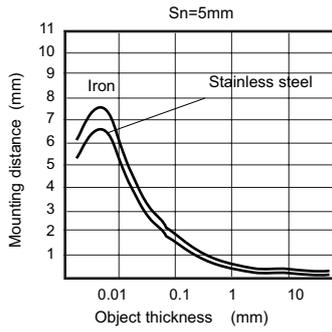
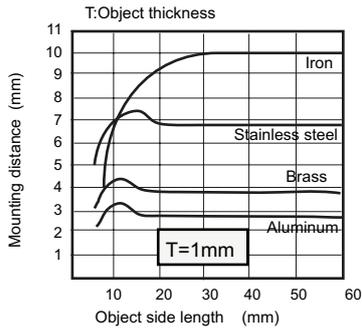
INSTALLATION

If used in an area surrounded by metal, Install the proximity Sensor as follows . (Sn = Sensing distance)

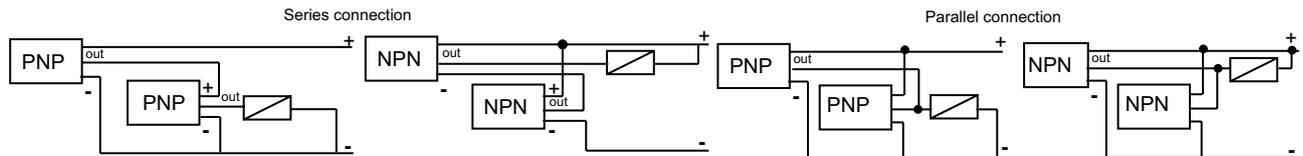


INDUCTIVE PROXIMITY APPLICATION DIRECTION

- a. Set mounting distance equal to 80% of Sn.
- b. Set mounting distance roughly equal to 50% of Sn when sensor is used measuring mounting frequency or operating in high speed circumstances.
- c. Mounting distance will change depending on material (iron, stainless steel, brass, copper and aluminum).



d. Inductive Proximity series connection and parallel connection



REV. NO.	REVISION NOTE	DATE	SIGNATURE
B	Datasheet Update	Jan 2009	LG

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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TAKE A LOOK AT OUR VARIETY OF PRODUCTS

