INSTRUCTION SENSOR **PROXIMITY** MANUAL

- ■About proximity switch
- Honorable consumers, thanks for selecting and using the sensor of our company. When using the products of our company, please refer to the instruction of the instruc company, please refer to the instruction first in order to avoid unnecessary losses caused by misoperation. Because the product is improved unceasingly.
- the product is improved unceasingly, the sensor of you aer may be different from the drawing in the instruction.

 Uses: it is suitable for controlling the line in the drawing in the instruction. • Uses: it is suitable for controlling the limit machine tool. detecting, counting velocity measurement, liquid level, signal and automatic line for location machine tool. detecting, counting velocity measurement, machinery, mine signal and automatic line for locating sending signal, etc. it is also widely used in machinery, mine metallurgy, plastics, textile chemical in the sending signal, etc. it is also widely used in machinery and so metallurgy, plastics, textile, chemicl industry, light industry, tobacco, electric power, railway and war industry and so on departmentes.

-	anation of pr	No. of Spirits	L	-	MIS	_	30	04	<u> P</u>	Ą	200	T	L. Denne
	switch category	out we	rd appearance code	working	voltage	elect	ion distance	귿	output form	out	put state	sui	beidiary functions
	L inductance type			30	6-36 VDC		4	N	three-wire DC NPN output	A	NO	T	with aviantion
	C capacitance type	м	cylinder type	310	5-24 VDC	01	lmm	P	three-wire DC PNP output			L	socket .
	S Hall type	0	Tyrana type	320	12-60 VDC	Н		L	two-wire DC, output	В	NC	Y	water proof
	A Salety epiccsom pare type				90-250 VAC	05	5mm	0	AC two-wire output	C	NO+NC	Н	oil proof
	X mirnic Linest type			210	24-250 VAC			w	AC three-wire output	100	100	1	special requirement
	H reed type	T	angular celumn type and plane installstice type		80VAC			1	Relay contact output	MC	Mimic voltage	H	
	R ring type			1 12	-240VDC	10	10mm	NP	NPN+PNP double output	М	Mimic conen	Н	high temp resistanc

For example :LM 12-3004PAT3

THE above indicates inductance type proximity switch, principal indicates cylinder type whose diameter is 12mm, 30 indicates DC6-36V 04 indicates that the detecting distance is 4mm and P indicates PNP megative logic .A is NO output.T is with aviation connector.Y is water proof, oil proof

Setting operating distance(Sn)

• Please set the operateing distance of the switch within 80% of the standard operating distance to protect the switch from being affected by temperature and voltage.

• When detecting other metals the switch has different operating distances(Diagram 1)

• When the switch is used for measuring operating frequency or used in other high-speed places, please set the operating distance of the switch within 1/2 of standard opreating distance, at this postion, the switch can reach max operating frequency.

object to the detecting distance

Stable

Standard detecting object Diagram2

• Please refer to the instruction manual of capacitive proximity switch for setting its operating distance. Ratio of inducing different materials Effect that the size of the derecting

Diagraml

■Points for attention when using the switch

●DC power supply must use insulated transformer.please do not useautotransformer.

If is strictly forbidden to connect on live line, wire must be connected strictly according to the color code on the connection diagram.

• If there is an electric line of force, and when the power line passes near the switch lead, the metal pipe should be covered on the switch lead and ground to protect the switch from misoperation and damaging.

Error connection

Correct connection ●AC proximity switch generally is not suitable for connecting inparallel and series We suggest you to use relay in parallel and series.

AC switch,DC two-line system switch must pass load to connect switch power supply. if dire connect the switch with power supply. if dire connect the switch

