

Proximity Inductive 18EX

Model:LJ18A3-8-Z/EX

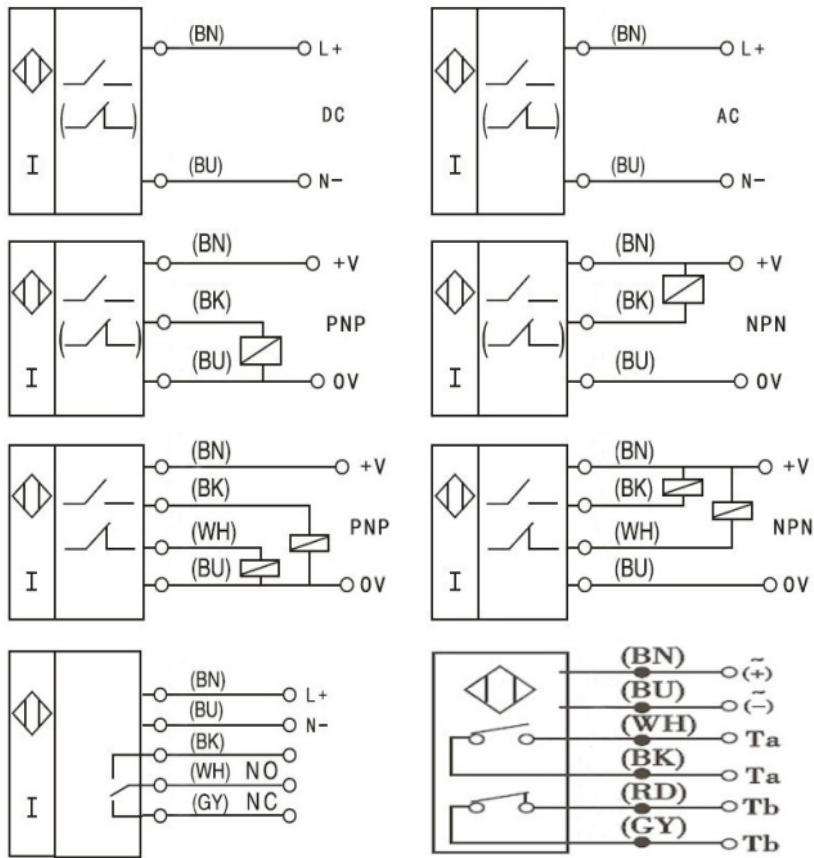


Specifications:

Product Name	Inductive Proximity Switch
Model	LJ18A3-8-Z/EX
Theory	Inductive Sensor
Wire Type	2 Wire Type (Brown, Blue)
Switch Appearance Type	Cylinder Type
Output Type	NO (Normal Open)
Detection Distance	8mm +/- 10%
Electrical Voltage	6-36V DC
Set Distance	0~7mm
Output Current (max)	200mA
Detect objects	Iron
Standard Detection Object	Iron 30x30x1mm
Response Frequency	DC 0.5kHz , AC 25Hz
Column Sensor Diameter	18mm
Thread Diameter	18mm
External Dimensions	M18x68
Cable Length	1.1m
External Material	Plastic, Alloy

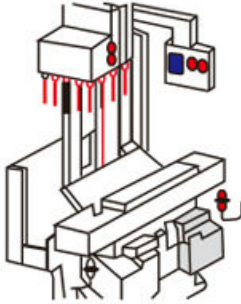
Dimension				M18
Detection Distance				8mm
Dimensional Drawing				
Model	DC Type	NPN	NO	LJ18A3-8-Z/BX
			NC	LJ18A3-8-Z/AX
			NO+NC	LJ18A3-8-Z/CX
		PNP	NO	LJ18A3-8-Z/BY
			NC	LJ18A3-8-Z/AY
			NO+NC	LJ18A3-8-Z/CY
		Two-wire	NO	LJ18A3-8-Z/EX
			NC	LJ18A3-8-Z/DX
	AC Type	Two-wire	NO	LJ18A3-8-J/EZ
			NC	LJ18A3-8-J/DZ
		Three-wire	NO+NC	LJ18A3-8-J/EDZ

Installation:



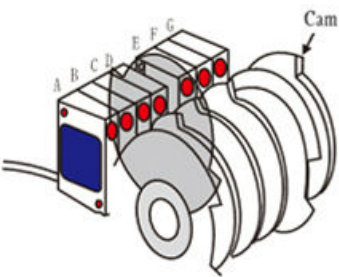
Applications legend:

1、Various position detection in machining centre

A diagram showing a cylindrical proximity switch mounted on a vertical structure, likely part of a machining center. Red lines indicate the detection range or signal paths. The switch is connected to a control unit with two indicator lights.

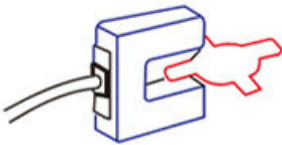
Cylindrical type proximity switch

2、Action sequence cam detection

A diagram showing a flat type proximity switch with a cam mechanism. The cam has several lobes labeled A, B, C, D, E, F, and G. The switch is connected to a control unit. A label 'Cam' points to the cam mechanism.

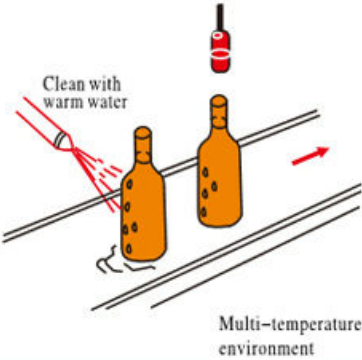
Flat type proximity switch

3、Pulser

A diagram showing a slot type proximity switch. A red arrow indicates the direction of movement towards the switch. The switch is connected to a control unit.

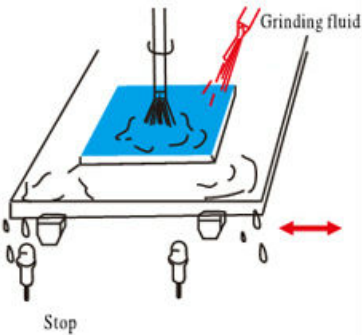
Slot type proximity switch

4、Bottle cap detection

A diagram showing a water-proof type proximity switch used for bottle cap detection. A red laser beam is directed at a bottle cap. The switch is connected to a control unit. Labels include 'Clean with warm water' and 'Multi-temperature environment'.

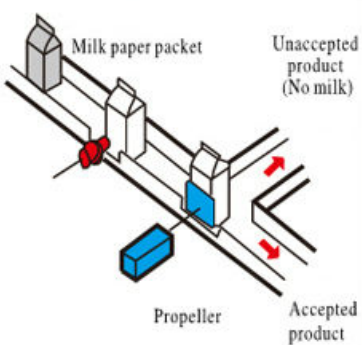
Water-proof type proximity switch

5、Grinder stop detection

A diagram showing a water-proof type proximity switch used for grinder stop detection. A red laser beam is directed at a grinding wheel. The switch is connected to a control unit. Labels include 'Grinding fluid' and 'Stop'.

Water-proof type proximity switch

6、Detect whether there is milk inside the paper packet

A diagram showing a capacitive type proximity switch used for detecting milk inside a paper packet. A red arrow indicates the direction of movement. The switch is connected to a control unit. Labels include 'Milk paper packet', 'Unaccepted product (No milk)', 'Propeller', and 'Accepted product'.

Capacitive type proximity switch