

## ***Proximity Inductive 18EZ***

***Model:LJ18A3-8-J/EZ***

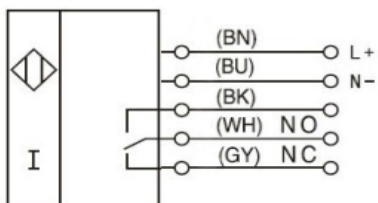
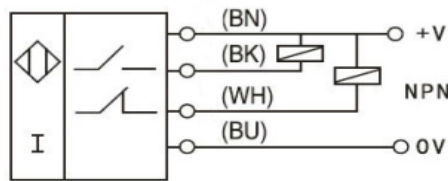
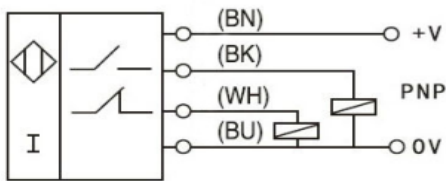
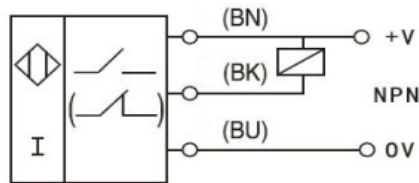
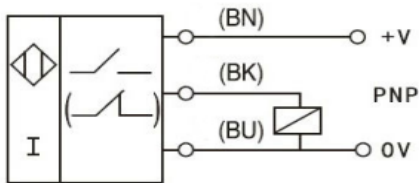
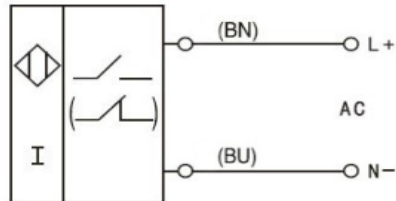
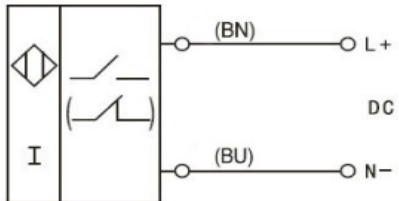


### ***Specifications:***

Product Name	Inductive Proximity Switch
Model	LJ18A3-8-J/EZ
Theory	Inductive Sensor
Wire Type	2 Wire Type (Brown, Blue)
Switch Appearance Type	Cylinder Type, Metallic Shell
Output Type	NO (Normal Open)
Detection Distance	8mm +/- 10%
Electrical Voltage	90-250V AC
Set Distance	0~7mm
Output Current (max)	400mA
Detect objects	Iron
Standard Detection Object	Iron 30x30x1mm
Response Frequency	DC 0.5kHz , AC 25Hz
Column Sensor Diameter	18mm
Thread Diameter	18mm
Total Size	18x68mm
Cable Length	1.1m
External Material	Plastic, Metal

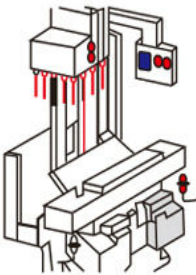
<b>Dimension</b>		<b>M18</b>		
<b>Detection Distance</b>		<b>8mm</b>		
<b>Dimensional Drawing</b>				
<b>Model</b>	<b>DC Type</b>	<b>NPN</b>	<b>NO</b>	<b>LJ18A3-8-Z/BX</b>
			<b>NC</b>	<b>LJ18A3-8-Z/AX</b>
		<b>PNP</b>	<b>NO+NC</b>	<b>LJ18A3-8-Z/CX</b>
			<b>NO</b>	<b>LJ18A3-8-Z/BY</b>
			<b>NC</b>	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

**Installation:**



**Applications legend:**

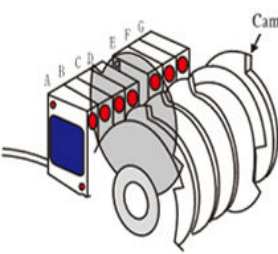
1、Various position detection in machining centre



Cylindrical type proximity switch

The diagram shows a vertical machining center with a cylindrical proximity switch mounted on a vertical beam. The switch is positioned to detect the presence of a workpiece or tool at a specific height.

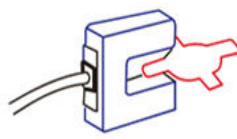
2、Action sequence cam detection



Flat type proximity switch

The diagram illustrates a cam detection system. A cam wheel with several lobes is shown. A flat type proximity switch is positioned to detect the presence of the cam lobes. The cam is labeled 'Cam' and the switch is labeled 'A B C D E F G'.

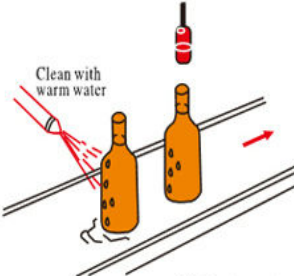
3、Pulser



Slot type proximity switch

The diagram shows a slot type proximity switch with a red pulser (a small rectangular object) passing through its slot. The pulser is labeled 'Pulser'.

4、Bottle cap detection



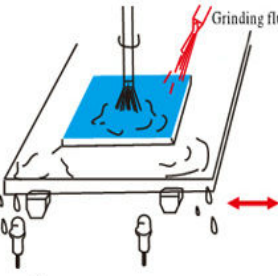
Clean with warm water

Multi-temperature environment

Water-proof type proximity switch

The diagram shows a conveyor belt with two bottles. A water-proof type proximity switch is positioned to detect the presence of a bottle cap. The text 'Clean with warm water' and 'Multi-temperature environment' indicates the operating conditions.

5、Grinder stop detection



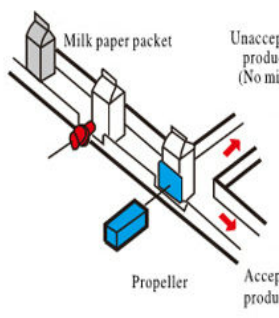
Grinding fluid

Stop

Water-proof type proximity switch

The diagram shows a grinder with a grinding wheel. A water-proof type proximity switch is positioned to detect the presence of grinding fluid. The text 'Grinding fluid' and 'Stop' indicates the detection point.

6、Detect whether there is milk inside the paper packet



Milk paper packet

Unaccepted product (No milk)

Propeller

Accepted product

Capacitive type proximity switch

The diagram shows a conveyor belt with milk paper packets. A capacitive type proximity switch is positioned to detect the presence of milk. The text 'Milk paper packet', 'Unaccepted product (No milk)', 'Propeller', and 'Accepted product' indicates the detection point.