FUWEI

Guangzhou FUWEI Electronic Technology Co.,Ltd

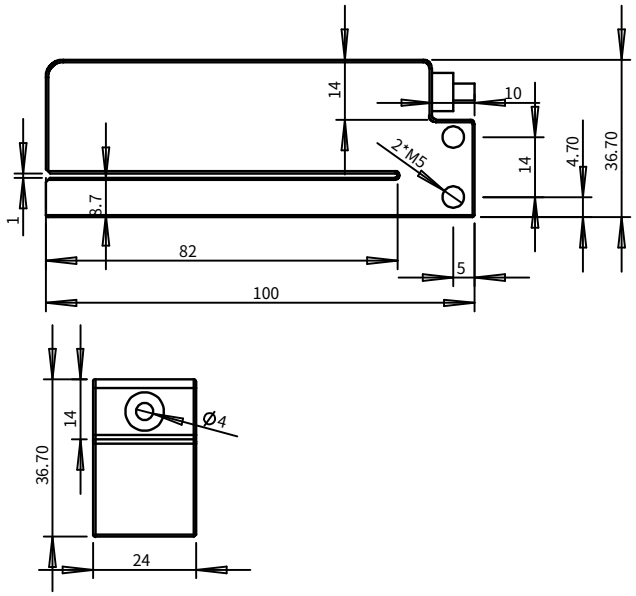
FGU07-100

CAPACITIVE LABEL SENSOR

Specification

Model	FGU07-100
Detectable label	Transparent, non-transparent type labels (no metal content)
Detection principle	Differential capacitance detection
Slot width	0.7mm
Slot depth	83mm
Switch frequency	5KHz
Response time	0.1ms
Supply voltage	10-30VDC
Consumption current	<25mA
Output signal	NPN+PNP Dual output
Output current	100mA
Sensitivity setting	Key setting
Protection	Reverse polarity protection, output short circuit protection
Output type	NPN, PNP dual output
Power supply	Input voltage DC 10V-30V, Maximum power 0.5W
Operating temperature	-20~+60°C, no freezing
Protection level	IP66
Feature	Simple operation and stable performance

Dimensions



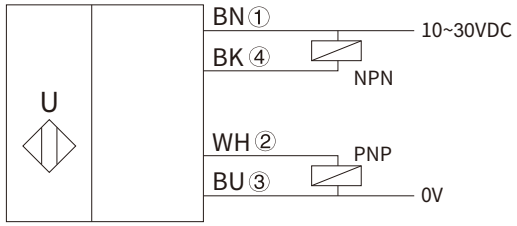
Safety Warning

- Do not use in an environment with flammable, explosive or corrosive gases.
- Do not use in an environment with oil or chemicals.
- Do not use in an environment with high humidity.
- Do not use in direct sunlight.
- Do not use under other environmental conditions that exceed the rated value.
- Do not disassemble, repair or modify the product without permission.

End-of-life Disposal

When the product is disposed of, please dispose of it as industrial waste.

Wiring Diagram



Operating Instructions

- **S key: balance the reference value function setting**

1. The label will be moved out of the detection slot, S key long press for 3 seconds, the benchmark indicator light flashes, flashing indicator light is always on; (if the benchmark indicator light is not on, please repeat the operation)
2. S key long press for more than 6 seconds, the output signal can switch NO or NC.

- **T key: sensitivity intelligent setting**

1. Preparation: insert the label into the sensor detection slot, and let the label in the effective sensing area.
2. Learning from instruction. Press and hold the T key for 3 seconds, and the reference indicator light will continue to flash. Release the key and enter the 10 second setting state. At this time, drag the label back and forth (preferably keeping the label gap parallel to the detection slot, dragging smoothly and slowly, passing through at least 5 label gaps), and the indicator light will stop flashing. The setting is complete.
3. Note: When entering the setting state must ensure that the label in the detection slot, can not be pulled out of the detection slot.

Product specifications are subject to change without notice.
For more information or if you have any questions or suggestions about this product, please feel free to contact us.