

## FKG24 Series

# DIGITAL CAPACITIVE TYPE LIQUID LEVEL SENSOR



FKG24-13

FKG24-26

### 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.

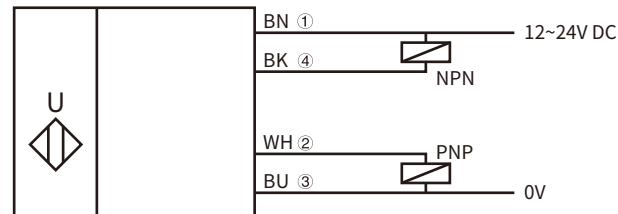
### End-of-life Disposal

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

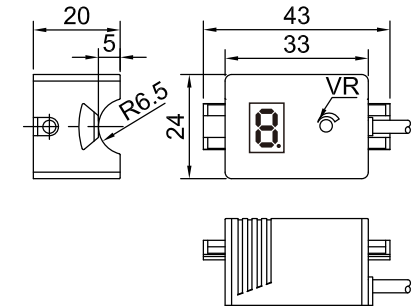
### Specification

|                                |         |                                                                                                            |                                          |
|--------------------------------|---------|------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Installation Method            |         | Non-embedded                                                                                               |                                          |
| Model                          | NPN+PNP | Digital display<br>FKG24-13NPA                                                                             | Digital display<br>FKG24-26NPA           |
| Output Method                  |         | NPN+PNP                                                                                                    |                                          |
| Supply Voltage                 |         | DC12-24V                                                                                                   |                                          |
| Applicable pipe material       |         | glass tube; PVC tube; ceramic tube; acrylic tube;<br>rubber tube; PE tube and other non-metallic materials |                                          |
| Applicable pipe outer diameter |         | Outer diameter: $\Phi 6$ - $\Phi 13$ mm                                                                    | Outer diameter: $\Phi 13$ - $\Phi 26$ mm |
| Applicable pipe wall thickness |         | Wall thickness < 2mm                                                                                       | Wall thickness < 3mm                     |
| Measurement Range              |         | 13mm                                                                                                       | 26mm                                     |
| Sensitivity Adjustment         |         | Multi-turn adjustable                                                                                      |                                          |
| Response Time                  |         | 1ms                                                                                                        |                                          |
| Load Current                   |         | 100mA                                                                                                      |                                          |
| Residual Voltage               |         | < 1.5VDC (Load current 100mA, wireway 2m)                                                                  |                                          |
| Repeat Accuracy                |         | < 5%                                                                                                       |                                          |
| Protect                        |         | Battery reverse connect protect, output short circuit protection                                           |                                          |
| Voltage Withstand              |         | 1000VAC 50-60HZ 1min                                                                                       |                                          |
| Case Material                  |         | ABS plastic                                                                                                |                                          |
| Operating Temp                 |         | -20~70°C                                                                                                   |                                          |
| International Protection       |         | IP66                                                                                                       |                                          |
| Dimension                      |         | L*W*H 43*24*20mm                                                                                           | L*W*H 33*34*20mm                         |
| Connection Node                |         | 4 PIN 2m PVC cable                                                                                         |                                          |

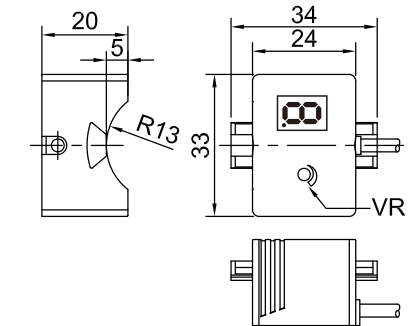
### Wiring Diagram



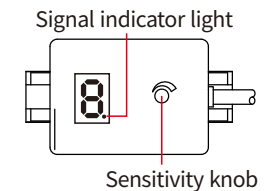
### Dimensions



FKG24-13



### Sensitivity Adjustment



Sensitivity adjustment can make the sensor give accurate signal, there are debris interference, flow less than when not trigger the switch action, all can be achieved by adjusting the sensitivity.

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.