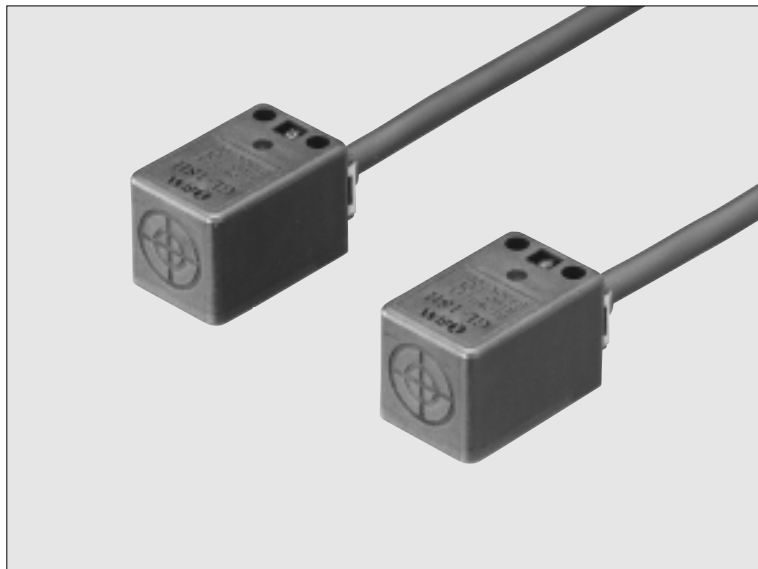


GL-18H/18HL

Square-shaped Long Range Inductive Proximity Sensor



High Performance Sensing at a Low Price

CE Marked
Conforming to EMC Directive

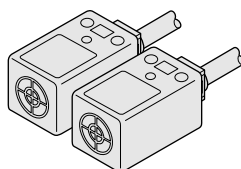
Low Price

It provides high performance at a low price.

Different Frequency Type

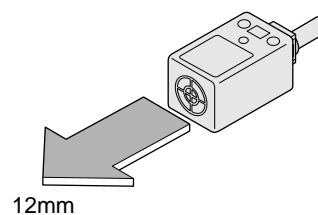
Two sensors can be mounted closely because different frequency types are available.

(The long sensing range type, **GL-18HL(B)**, and its different frequency type, **GL-18HLI**, can be mounted 20mm away from each other.



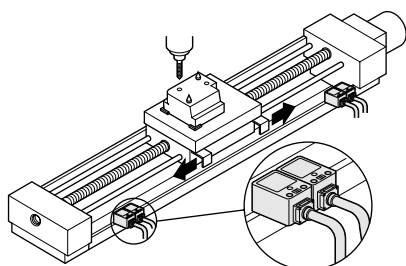
Long Sensing Range

GL-18HL offers a long sensing range of 12mm.
(**GL-18H**: 5mm)

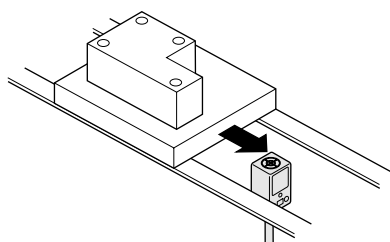


APPLICATIONS

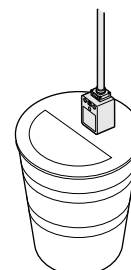
Detecting over-run of moving table



Positioning metal pallet



Detecting aluminum lid

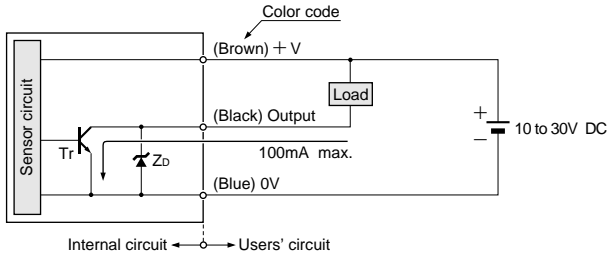


GL-18H/18HL

I/O CIRCUIT AND WIRING DIAGRAMS

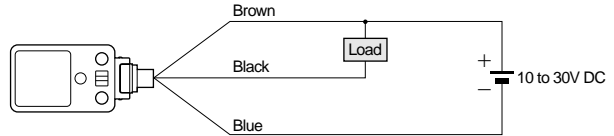
GL-18H□
GL-18HL□

I/O circuit diagram



Symbols ... Z_d: Surge absorption zener diode
Tr: NPN output transistor

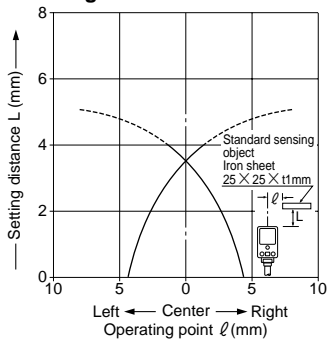
Wiring diagram



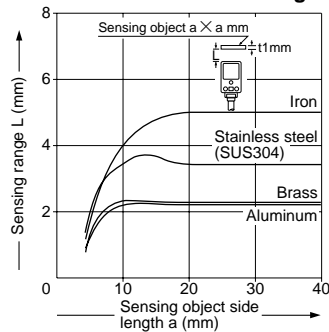
SENSING CHARACTERISTICS (TYPICAL)

GL-18H□

Sensing field



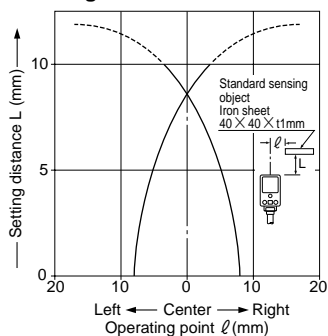
Correlation between sensing object size and sensing range



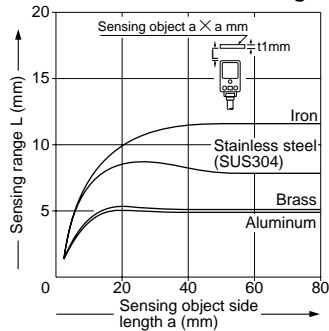
As the sensing object size becomes smaller than the standard size (iron sheet 25 × 25 × 1mm), the sensing range shortens as shown in the left figure.

GL-18HL□

Sensing field



Correlation between sensing object size and sensing range



As the sensing object size becomes smaller than the standard size (iron sheet 40 × 40 × 1mm), the sensing range shortens as shown in the left figure.