# 2-Color Indication Type with Diagnostic Output Solid State Auto Switch: Band Mounting Style

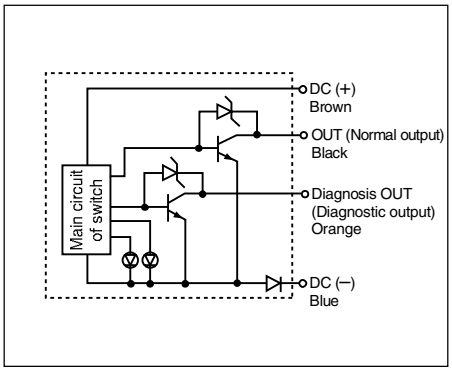
# D-H7NF

CE

## Grommet

**Since the diagnostic output signal can be detected in an unsteady detecting area, the difference of detecting position can be confirmed by the side of PLC (Programmable Logic Controller).**

### Auto Switch Internal Circuit




## Auto Switch Specifications

PLC: Programmable Logic Controller

| D-H7NF (With indicator light) | |
|---|---|
| Auto switch model | **D-H7NF** |
| **Wiring type** | 4-wire |
| **Output type** | NPN |
| **Diagnostic output** | Normal operation |
| **Applicable load** | IC circuit, Relay, PLC |
| **Power voltage** | 5, 12, 24 VDC (4.5 to 28 VDC) |
| **Current consumption** | 10 mA or less |
| **Load voltage** | 28 VDC or less |
| **Load current** | 50 mA or less at the total amount of normal output and diagnostic output |
| **Internal voltage drop** | 1.5 V or less (0.8 V or less at each output 5 mA) |
| **Current leakage** | 100 μA or less at 24 VDC |
| **Indicator light** | Operating range ····· Red LED illuminates.<br>Proper operating range ····· Green LED illuminates. |
| **Standard** | CE marking |

• Lead wires — Oilproof heavy-duty vinyl cord, ø3.4, 0.2 mm$^2$, 4 cores (Brown, Black, Orange, Blue), 0.5 m

Note 1) Refer to page 1272 for solid state auto switch common specifications.

Note 2) Refer to page 1272 for lead wire lengths.

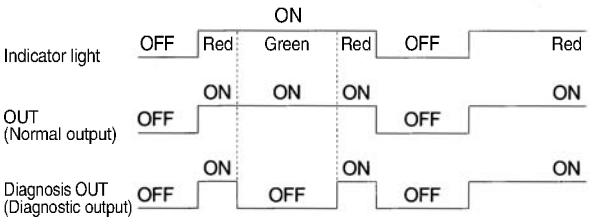
## Mass

(g)

| Auto switch model | | D-H7NF |
|---|---|---|
| Lead wire length (m) | 0.5 | 13 |
| | 3 | 56 |
| | 5 | 90 |

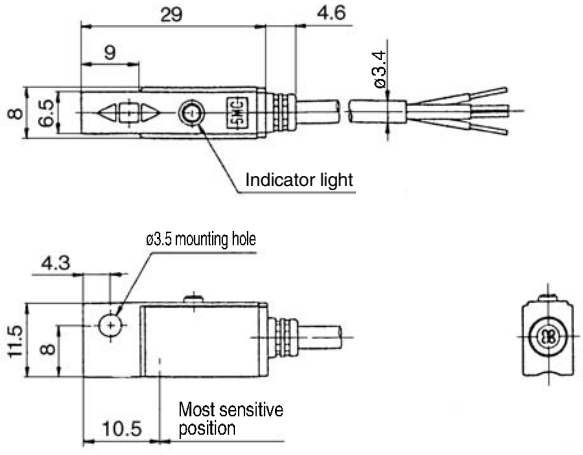
## Diagnostic Output Operation

The diagnostic output signal is output within unsteady detecting area (where indicator light is Red), and the diagnostic output becomes OFF when the detecting position remains within the proper operating range (where indicator is Green). When the detecting position is not adjusted, the diagnostic output becomes ON.




## Dimensions

(mm)




GENTLE AUTOMATIC SOLUTION SDN BHD
36, Jalan Industri USJ 1/13, Taman Perindustrian USJ1, 47600 Subang Jaya, Selangor.
Tel: 603-8023 7743 / 8743 Fax: 603-8023 9743 email: sales@gentle.com.my