

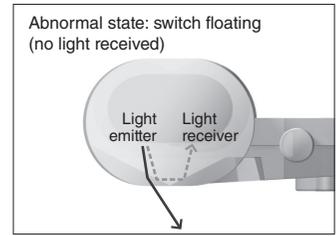
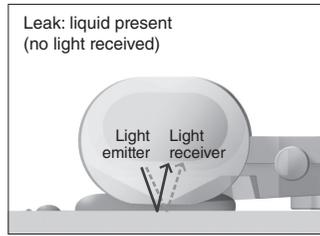
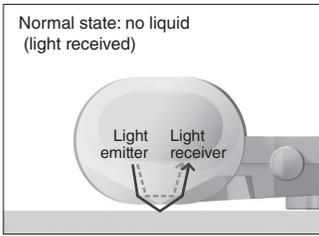
Liquid Leakage Fiber Units

HPF-D040 | PFA jacket affords outstanding ease of routing.

- Space-saving switch head height of only 9.9 mm
- Can be used in explosion-proof atmospheres because the cable is optical fiber.



PRINCIPLE OF DETECTION



When there is a leak, no light reaches the receiver. This is the same result as when the fiber cable breaks or is disconnected, ensuring fail-safe operation. (When using the unit in a pan, remember to secure it with a stud.)

RECOMMENDED COMPATIBLE AMPLIFIER UNIT

HPX-AG04 (advanced function timer) model

<Exterior view>



<Operation panel>



<Typical models>

| Model No. | Output |
|-------------|--------|
| HPX-AG04-3S | NPN |
| HPX-AG04-4S | PNP |

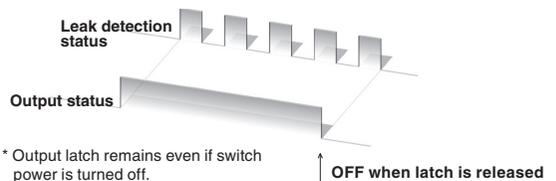
Output latching function

Using the HPF-D040 and the HPX-AG04 amplifier together, output can be latched. This function is effective in detection of a small leak of volatile liquid and in early detection of a leak's location.

When the output is latched, the display seen below blinks.



The latch can be released by the operator or by an external input.

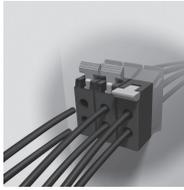


* The output latch is reset when the latch is released. To use output latching again, set the latch again.

OPTIONS

Relay fiber unit

HPF-EU05



Optical fiber cable can be extended 5 m using the optional relay unit. The relay unit can be mounted in a panel.

Model No.

HPF-EU05

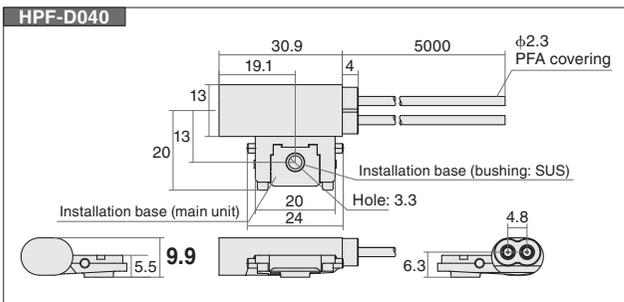
ORDER GUIDE

●Diffuse scan

| Shape (mm) | Cable | | Model No. |
|------------------|-------------|----------|-----------|
| | Bend radius | Length | |
| -30 to +70°C | R20 | 5 m | HPF-D040 |
| | | Free cut | |

OUTER DIMENSIONS

(unit: mm)



USAGE NOTES (TYPE-SPECIFIC)

Liquid leakage detection

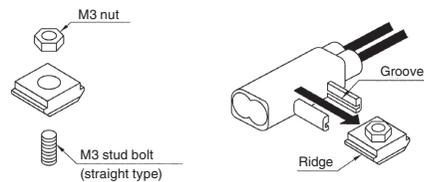
When using an SUS mounting base, insert the welded M3 stud bolt into the base's mounting hole and fasten it with an M3 nut (not supplied). Then put the ridges of the mounting base into the grooves of the fiber unit, and slide the base forward until it is in place.

Precaution for use in explosive atmospheres

The fiber unit can be used in a hazardous location if the amplifier unit is installed in a non-hazardous location. However, before using the switch, carefully check the explosion-proof regulations required for the facility and the equipment.

Chemical resistance of PFA

See the Technical Guide (A-156).



Before use, thoroughly read the "Precautions for use" and "Precautions for handling" in the Technical Guide on pages A-141 to A-156 as well as the instruction manual and product specification for this switch.