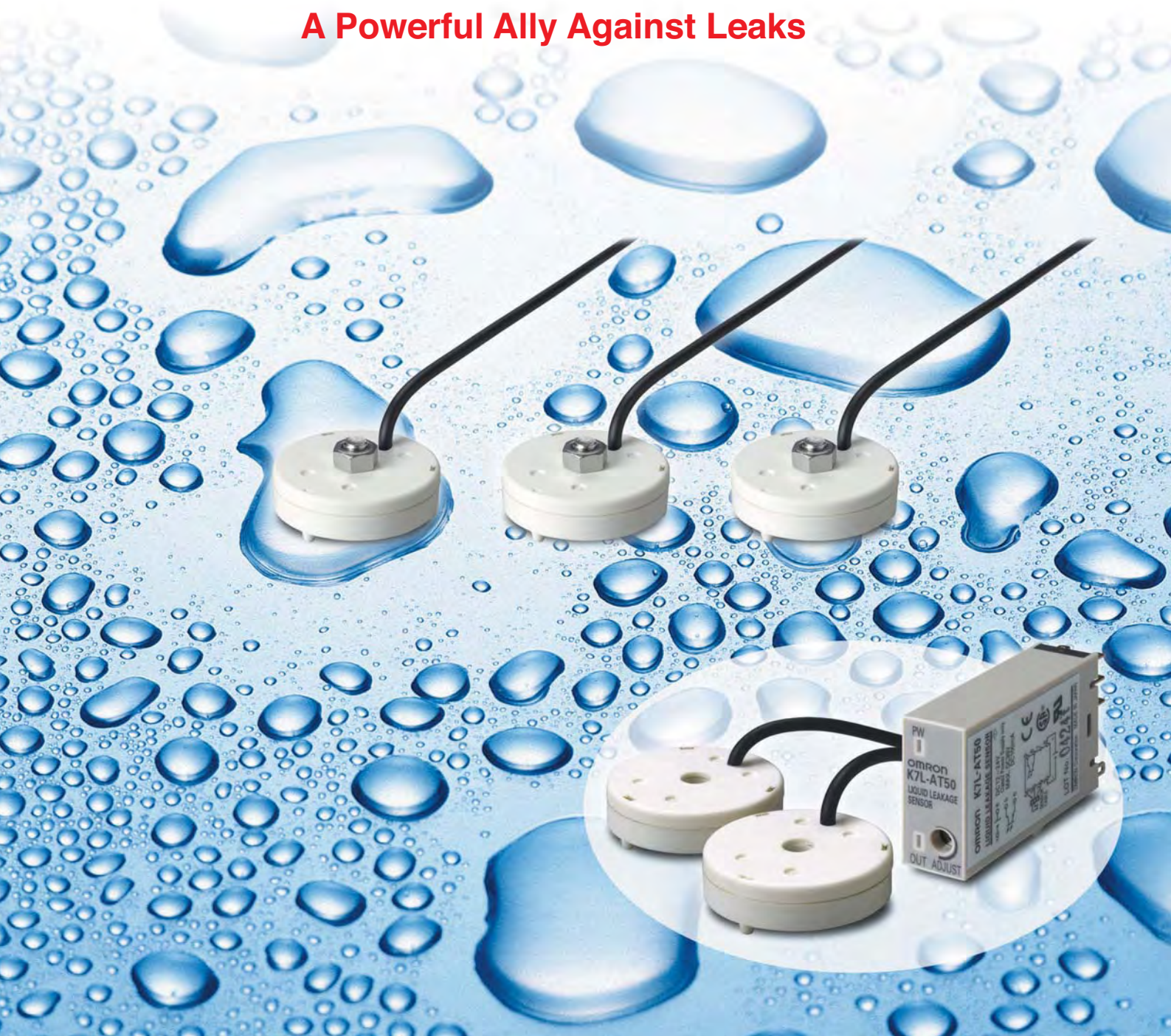


Liquid Leakage Point Sensor F03-16PS



Debut of New Liquid Leakage Point Sensors

A Powerful Ally Against Leaks



New Liquid Leakage Point Sensors Added to the K7L Series

Mounts with Screws Up to M5 Size

The F03-16PS can be mounted with standard screws used by machine operators.



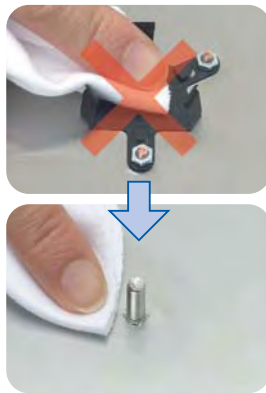
Resists Chemicals

The fluoroplastic coating on the bottom electrode ensures chemical resistance.



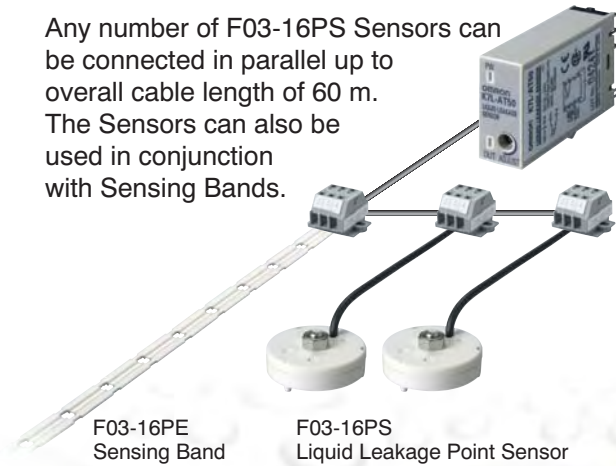
Requires No Mounting Tools

Stud screw mounting requires no tools for installation. This means the Sensor wipes clean quickly and easily after a leak.



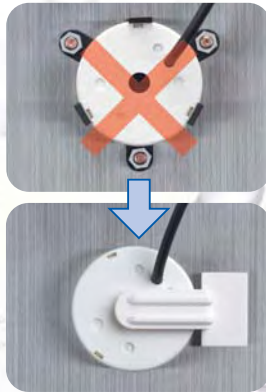
One Amplifier (K7L) Accommodates Multiple Sensors

Any number of F03-16PS Sensors can be connected in parallel up to overall cable length of 60 m. The Sensors can also be used in conjunction with Sensing Bands.



Optional Mounting Bracket Available

An optional Mounting Bracket is available for installations where welding a stud screw is not practical. This option enables faster installation than three-screw mounting.



Application Examples

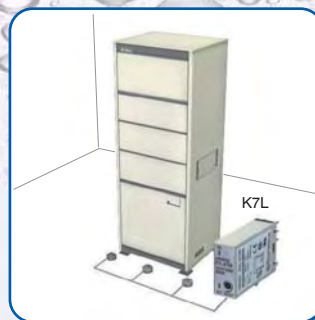
Semiconductor and FPD
Production Equipment



Clean Rooms



Air Conditioning Units



Host Server Equipment Room



Liquid Leakage Point Sensor F03-16PS

A New Liquid Leakage Point Sensor Has Been Added to the K7L Series. Fluoroplastic Coating on the Bottom Electrode Ensures Chemical Resistance.

- Can be used in conjunction with Sensing Bands.
- Stud screw mounting requires no tools for installation.
- No tools means the Sensor wipes clean quickly and easily.
- The optional Mounting Bracket enables faster installation than three-screw mounting.
- Connect multiple Sensors to one K7L-AT50 Amplifier for significant cost savings.



Ordering Information

Sensors

Product name	Main material	Power line material	Electrode material	Model
Liquid Leakage Point Sensor	Polyethylene	Outer sheath: PVC	SUS304	F03-16PS
		Inner sheath: Fluoroplastic	SUS304 and fluoroplastic coating	F03-16PS-F
Mounting Brackets (See note 1.)		---	---	F03-26PS
Terminal Block (See note 2.)	Nylon 6.6	---	---	F03-20

Note: 1. Use a commercially available bonding agent for PVC. One bag contains 10 Brackets.
2. One bag contains 10 Blocks.

Amplifier

Product name	Model
Liquid Leakage Sensor Amplifier	K7L-AT50

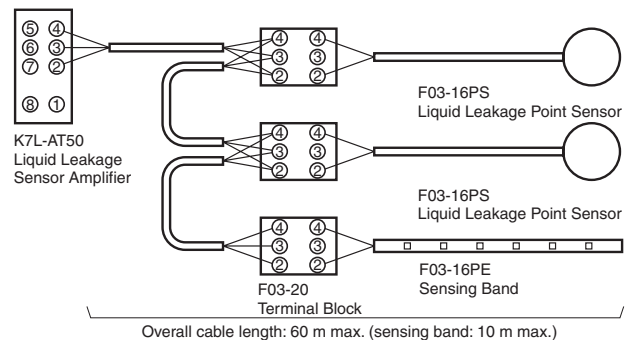
Note: Refer to the *K7L-AT50/AT50D Liquid Leakage Sensor Amplifier Datasheet* (Cat. No. F049) for details.

Specifications

Ambient temperature	-10 to 60°C
Nut tightening torque	0.3 N·m max.
Weight	Approx. 30 g
Max. No. connected per Amplifier	Any number up to an overall cable length of 60 m.

Wiring Diagram

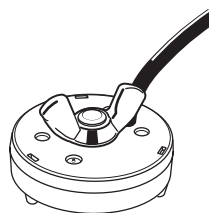
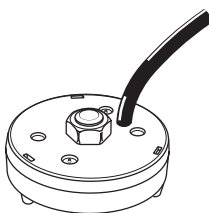
Any number of Sensors can be connected in parallel up to an overall cable length of 60 m. Leakage areas cannot be specified with the K7L-AT50.



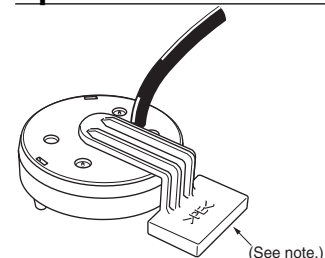
Mounting Procedure

Stud Screw Mounting

1. Secure the Sensor with a nut.
2. Secure the Sensor with a wing nut.



Special Bracket Mounting

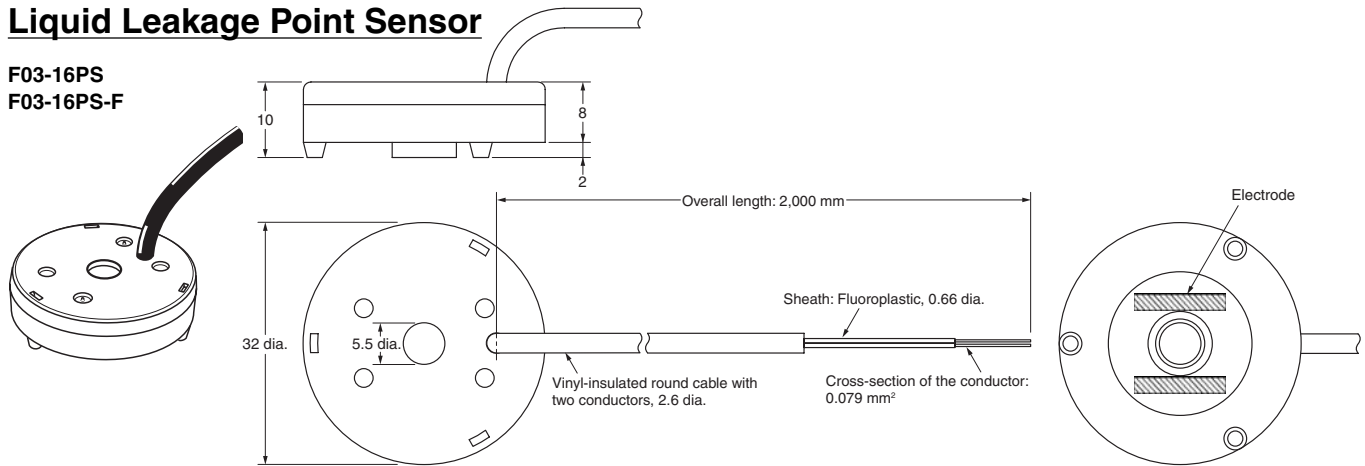


Note: Use a commercially available bonding agent for PVC.

Dimensions

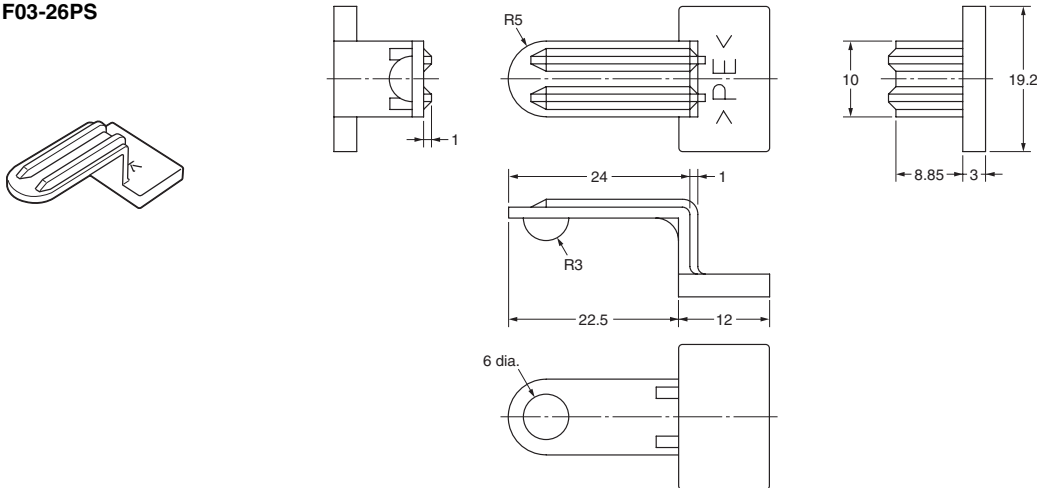
Liquid Leakage Point Sensor

F03-16PS
F03-16PS-F



Mounting Bracket

F03-26PS



ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. F064-E1-01 In the interest of product improvement, specifications are subject to change without notice.

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