

# 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 Inner sheath: Fluoroplastic	SUS304	F03-16PS
			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

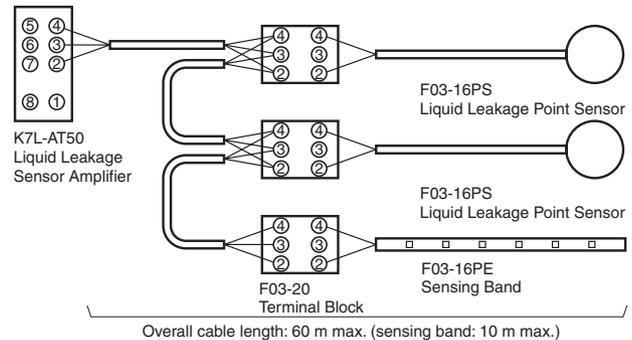
**Note:** Refer to the *K7L-AT50/AT50D Liquid Leakage Sensor Amplifier Datasheet* (Cat. No. F049) for details.

## 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

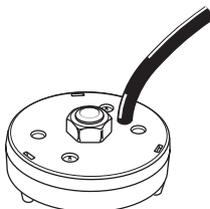
Any number of Sensors can be connected in parallel up to an overall cable length of 60 m. Leakage areas cannot be specified with the K7L-AT50.



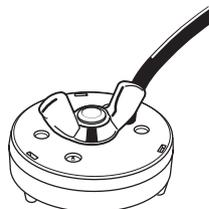
## Mounting Procedure

### Stud Screw Mounting

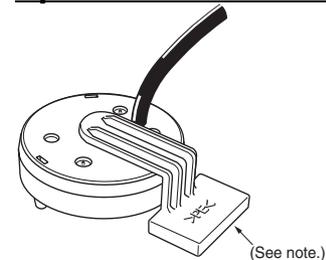
1. Secure the Sensor with a nut.



2. Secure the Sensor with a wing nut.



### Special Bracket Mounting

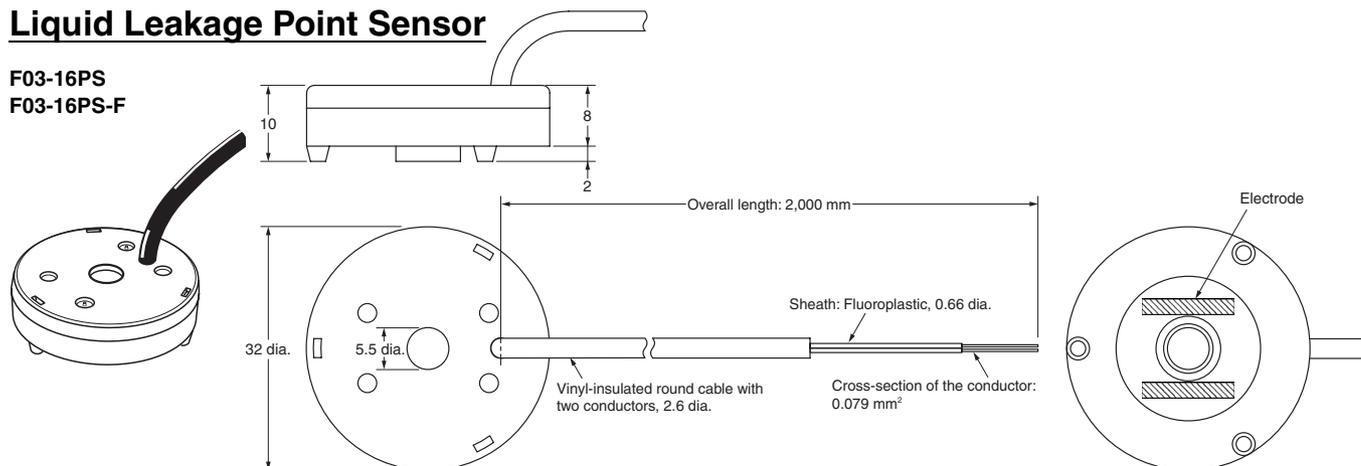


**Note:** Use a commercially available bonding agent for PVC.

# Dimensions

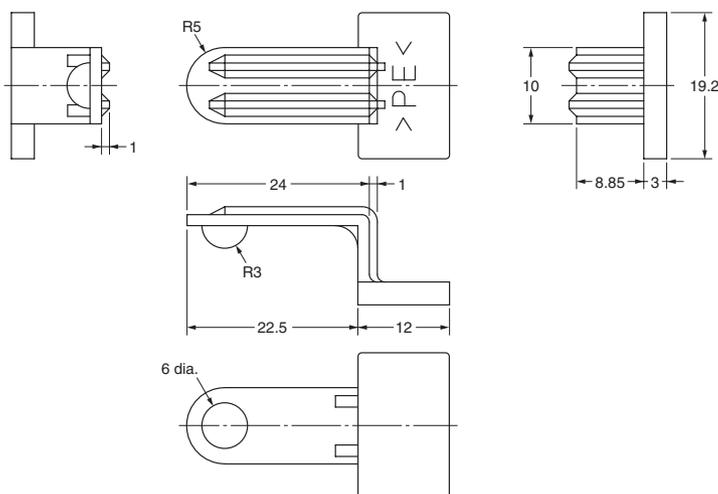
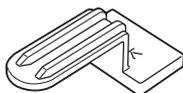
## Liquid Leakage Point Sensor

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.

**OMRON Corporation**

Industrial Automation Company

Industrial Devices and Components Division H.Q.

Industrial Control Components Department

Shiokoji Horikawa, Shimogyo-ku,

Kyoto, 600-8530 Japan

Tel: (81)75-344-7119/Fax: (81)75-344-7149

Printed in Japan

0604-1M (0604) (O)

AUDIN - 8, avenue de la malle - 51370 Saint Brice Courcelles - Tel : 03.26.04.20.21 - Fax : 03.26.04.28.20 - Web : <http://www.audin.fr> - Email : [info@audin.fr](mailto:info@audin.fr)