

Liquid Leakage Point Sensor F03-16PS

CSM_F03-16PS_DS_E_2_5

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 can be wiped clean quickly and easily.
- The optional Mounting Bracket enables faster installation than three-screw mounting.
- Connect multiple Sensors to one K7L Amplifier for significant cost savings.



Free-cut Indicates models that allow free cutting.

Ordering Information

Sensors

Product name	Main material	Cable material	Electrode material	Model
Liquid Leakage Point Sensor	Polyethylene	Outer sheath: PVC Inner sheath: Fluoroplastic	SUS304	F03-16PS
Mounting Brackets (See note 2.)		---	SUS304 and fluoroplastic coating	F03-16PS-F (See note 1.)
Terminal Block (See note 3.)	Nylon 6.6	---	---	F03-20

- Note:**
1. The electrode is fluoroplastic-coated.
 2. Use a commercially available bonding agent for PVC. One bag contains 10 Brackets.
 3. One bag contains 10 Blocks.

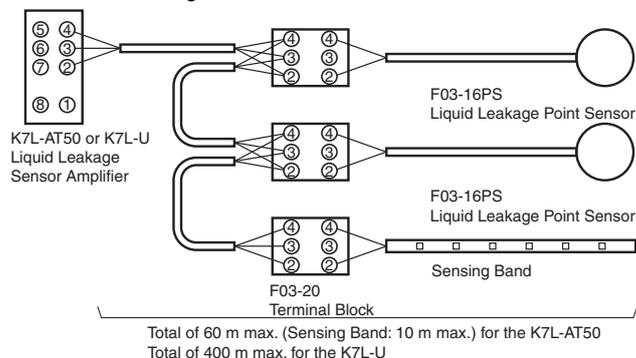
Specifications

Material	Sensor Amplifier	Polyethylene
	Conductor	Outer sheath: PVC, Inner sheath: Fluorine resin
	Core	F03-16PS: SUS304 stainless steel F03-16PS-F: SUS304 and fluorine coating
Ambient operating temperature range		-10 to 60°C
Weight		Approx. 30 g
Maximum number of Point Sensors per Amplifier		Any number of Point Sensors can be connected as long as the following conditions are met. K7L-AT50 (K7L-AT50D cannot be used): 60 m max. K7L-U (-UD cannot be used): 400 m max. 61F-GPN-V50: 200 m max.

Wiring Diagram

Any number of Sensors can be connected in parallel up to an overall cable length of 400 m. Leakage areas cannot be specified with the K7L.

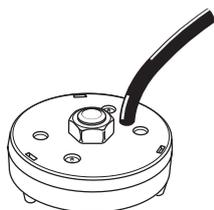
K7L-AT50 (operating resistance: 50 MΩ max.): 60 m max.
K7L-U (operating resistance: 1 MΩ max.): 400 m max.
However, the leakage area cannot be identified with the K7L-AT50.



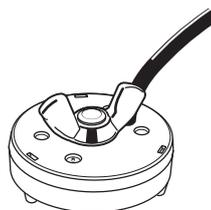
Mounting Methods

Stud Screw Mounting

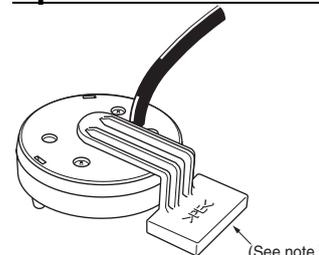
Securing the Sensor with a Nut



Securing the Sensor with a Wing Nut



Special Bracket Mounting



Note: Use a commercially available bonding agent for PVC.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.

Terms and Conditions Agreement

Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.

(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.

(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See <http://www.omron.com/global/> or contact your Omron representative for published information.

Limitation on Liability; Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions.

Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Sensor Fixings & Accessories](#) category:

Click to view products by [Omron](#) manufacturer:

Other Similar products are found below :

[F03-01 SUS304 BINIL](#) [8000-5130](#) [FH-AP1](#) [PH-1-10M](#) [PH-1-20M](#) [PH-2-30M](#) [AC201](#) [R4](#) [ADI-LC3S](#) [EC18-WELL](#) [PC-15015](#) [K35-4](#) [A-1923](#) [SS-12143](#) [STA12](#) [AP4-T](#) [PH-1-50M](#) [R6](#) [D01051301](#) [43912557-020](#) [MF-1 D=3.2](#) [BGN-035](#) [E39-L7](#) [ZX-SB11](#) [D01070602](#) [606072](#) [606075](#) [Y92ES12PVC4A10ML](#) [Y92ES12PVC4S5ML](#) [SA9Z-F11](#) [Z49-SF1](#) [ZFV-XMF2](#) [E4R-R12A-CS3M010](#) [28810-2](#) [ZX-SW11E V3](#) [CCS-PL-LDR2-70](#) [E4R-R12A-CS3M020](#) [BS-1T CHITAN](#) [F03-01 CHITAN](#) [CCS-PD2-1012](#) [ZX-SFW11E V3](#) [PH-2-90M](#) [PH-2-5M](#) [XMLZL008](#) [AC244](#) [28810-1](#) [PH-1-40M](#) [SS-12225](#) [32043-500](#) [81532111](#)