

Discontinuation Notice of Liquid Leakage Position Sensor K7L-UP-FLK

Product Discontinuation

Liquid Leakage Position Sensor

Model K7L-UP-FLK

Connecting Cable

Model F03-21UP-CC

Terminator

Model F03-20UP-TC

Sensing Cable

Model F03-16UP-[] []

Junction Cable

Model F03-21UP-JC

Area Separator

Model F03-20UP-AS



Recommended Replacement

No recommended replacement







[Discontinuation date]

The end of March, 2015

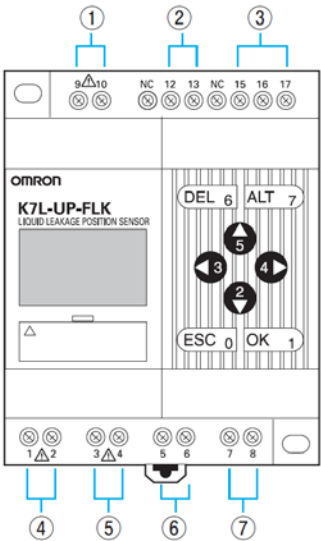
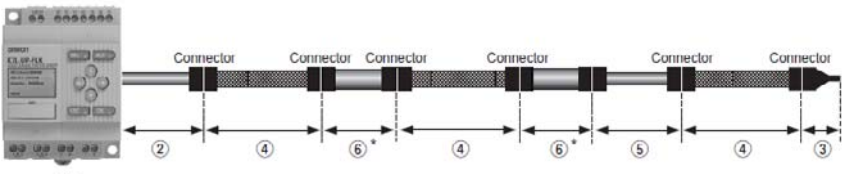
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
K7L-UP-FLK AC100/240V	No recommended replacement
F03-21UP-CC	
F03-20UP-TC	
F03-16UP-C-2M	
F03-16UP-C-5M	
F03-16UP-C-10M	
F03-16UP-C-30M	
F03-21UP-JC	
F03-20UP-AS	

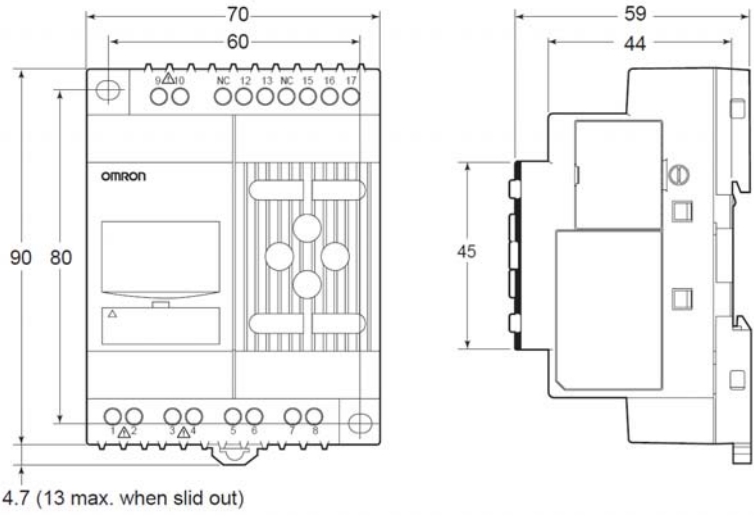
[Body color]

<p>Product discontinuation K7L-UP-FLK, F03-□□UP-□□</p>	<p>Recommendable replacement No recommended replacement</p>
<p>Controller K7L-UP-FLK Color: Ivory</p> 	<p>No recommended replacement</p>
<p>Connecting Cable F03-21UP-CC Color: Black</p> 	<p>No recommended replacement</p>
<p>Terminator F03-20UP-TC Color: Black</p> 	<p>No recommended replacement</p>
<p>Sensing Cable F03-16UP-□□ Color: Black</p> <p>Enlarged view</p> 	<p>No recommended replacement</p>
<p>Junction Cable F03-21UP-JC Color: Black</p> 	<p>No recommended replacement</p>
<p>Area Separator F03-20UP-AS Color: Black</p> 	<p>No recommended replacement</p>

[Wire connection]

Product discontinuation K7L-UP-FLK	Recommendable replacement No recommended replacement
<p>Wire connection</p>  <p>① Power supply terminals ② External reset input terminals ③ Connecting cable terminals ④ Alarm output contact terminals ⑤ Leakage/disconnection output contacts ⑥ RS-485 communications terminals ⑦ Linear outputs terminals (4 to 20 mA)</p> <p>Basic configuration</p>  <p>①: Controller K7L-UP-FLK ②: Connecting Cable F03-21UP-CC ③: Terminator F03-20UP-TC ④: Sensing Cable F03-16UP-C-2M, F03-16UP-C-5M Sensing Cable F03-16UP-C-10M, F03-16UP-C-30M ⑤: Junction Cable F03-21UP-JC ⑥: Area Separator F03-20UP-AS</p>	<p>---</p>

[Dimensions]

Product discontinuation K7L-UP-FLK	Recommendable replacement No recommended replacement
<p>Dimension</p>  <p>4.7 (13 max. when slid out)</p>	<p>---</p>

[Characteristics]

Item	Product discontinuation K7L-UP-FLK	Recommendable replacement No recommended replacement
Power supply voltage	100 to 240 VAC 50/60 Hz	
Allowable voltage fluctuation range	Rated voltage 85 to 110 % (85 to 264 VAC)	
Power consumption	10 VA max. (at maximum load)	
Detection method	Inductive method	
Operate resistance	50 kΩ, 100 kΩ (selectable) Must operate below each sensitivity setting.	
Release resistance	350 kΩ min.	
Current when electrodes are shorted	2 mA/AC max.	
Wiring length	600 m max. (total of Sensing Cable, Connecting Cable, Junction Cable, Area Separator and general-purpose cable) This value is for completely insulated 600-V 3-conductor VCT cable of with a thickness of 0.75 mm ² . No more than 10 Junction Cables can be used. Area Separators are calculated as 10 m each.	
Disconnection Detection function	Detection signal: 10 VDC Detection time: 45 s max. Recovery: After normal wiring	
Relay output	NO contacts × 2 outputs (leakage, disconnection, error output, and alarm output) Rated load: 3A 250 VAC/30 VDC Resistive load: 3A 250 VAC/30 VDC Inductive load: 1A 250 VAC/30 VDC Service life: Mechanical: 20 million outputs Electrical: 80,000 outputs Failure rate P value: 24 VDC at 5 mA (reference value) Contact resistance: 100 mΩ max. (default)	---
4 to 20-mA output	Allowable load resistance: 500 Ω max. Resolution: Approx. 10,000 Error: ± 1 %FS Steady state: 4 mA At error detection: 5 mA At disconnection detection: 20 mA At leakage detection: 6 + 12 × Leakage locations (m)/L (m) mA L: Set distance (default: 600 m)	
Ambient temperature	Operating: -10 to 55 °C (no icing or condensation) Storage: -25 to 65 °C (no icing or condensation)	
Ambient humidity	Operating: 25 to 85 %RH (no condensation) Storage: 25 to 85 %RH (no condensation)	
Altitude	2,000 m max.	
Mounting method	Surface mounting, DIN track mounting	
Terminal block tightening torque	0.5 to 0.6 N•m	
Degree of protection	IP20 (Panel-mounted)	

[Operation methods]

Product discontinuation K7L-UP-FLK		Recommendable replacement No recommended replacement	
<p>Operation method</p>			
Button	Name	Function	
		Menu selection	
		Parameter setting	
DEL 6	DEL Button	–	Deletes the characters or setting.
ALT 7	ALT Button	–	Use in combination with a button.
5	Up Cursor Button	Moves the selected item up.	Moves the selected item up. Moves the number or character forward.
2	Down Cursor Button	Moves the selected item down.	Moves the selected item down. Moves the number or character backward.
3	Left Cursor Button	–	Moves the selected item to the left.
4	Right Cursor Button	–	Moves the selected item to the Right.
ESC 0	ESC Button	Returns to the previous screen.	Discards the setting and returns to the previous operation.
OK 1	OK Button	Enters the selected item.	Enters the setting.

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.