



NO: SD-086 **PRODUCT:** 61F-D21T Level Controller
DATE: August 2014 **TYPE:** Discontinuation Update

Conductive Level Controller 61F-D21T will be Discontinued
 March 2015; Replace it with K8AK-LS1

Last order date: March 2015.

Note: Date is subject to change based on raw materials and components availability at the factory.

Reason for discontinuation: The 61F-D21T conductive level controller shares a design platform with the K8AB monitoring relays family and products built on that platform are being discontinued.

Affected Parts

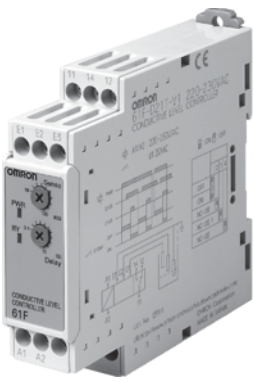

Product discontinuation	Recommended replacement
61F-D21T-V1 AC/DC24V	K8AK-LS1 24VAC/DC
61F-D21T-V1 AC100-240V	K8AK-LS1 100-240VAC

Caution on Applying the Recommended Replacement

There are some changes in rating and specifications and installation.
 The K8AK-LS1 is for DIN rail mounting only and does not allow M4 screw direct mounting

See the table below and on the following pages for modification details.




Body color

Product discontinuation	Recommended replacement
Model 61F-D21T-V1	Model K8AK-LS1
<p>● Body color Munsell 5Y8/1</p> 	<p>● Body color Munsell N1.5</p> 

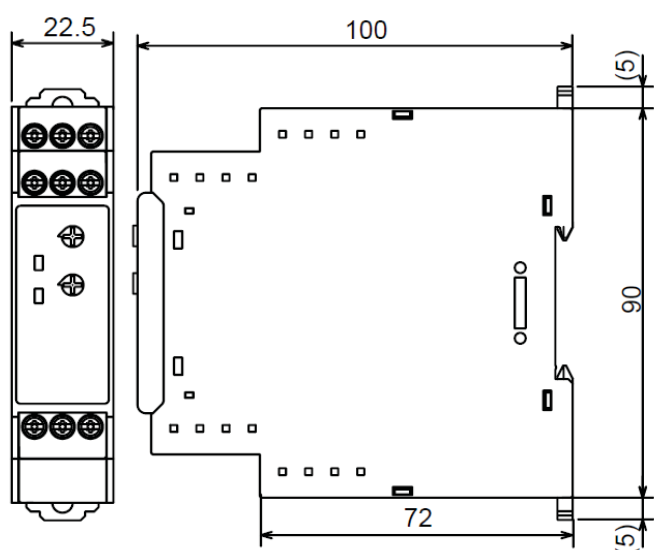
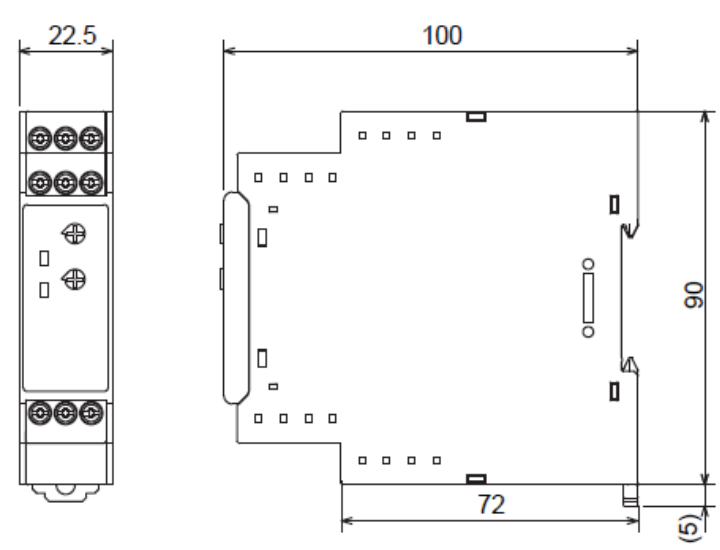
Wiring Connection

Product discontinuation	Recommended replacement
<p align="center">Model 61F-D21T-V1</p>	<p align="center">Model K8AK-LS1</p>
<p>Terminal layout Terminal layout diagram</p>	<p>Terminal layout Terminal layout diagram</p>
<p>Wiring connections</p>	<p>Wiring connections</p>

Installation Method

Product discontinuation	Recommended replacement
<p align="center">Model 61F-D21T-V1</p>	<p align="center">Model K8AK-LS1</p>
<p>● Installation method DIN rail or M4 screw</p>  	<p>● Installation method DIN rail Screw cannot be used.</p> 

Dimensions

Product discontinuation	Recommended replacement
<p align="center">Model 61F-D21T-V1</p>	<p align="center">Model K8AK-LS1</p>
<p>● Dimensions</p> 	<p>● Dimensions</p> 

Characteristics

Item	Product discontinuation	Recommended replacement
	Model 61F-D21T-V1	Model K8AK-LS1
Voltage across electrodes	6 V p-p (approx. 20 Hz)	5 V p-p (approx. 20 Hz)
Power consumption	24 VDC: 2 W max. 24 VAC: 4 VA max. 100 to 240 VAC: 5VA max.	24 VAC/DC: 2.0 VA/1.1 W max. 100 to 240 VAC: 4.6 VA max.
Control output	6 A at 250 VAC for resistive load at 20°C	Rated load Resistive load 5 A to 250 VAC 5 A to 30 VDC Maximum contact voltage: 250 VAC or 30 VDC Maximum contact current: 5 A AC Maximum switching capacity: 1,250 VA, 150 W Mechanical life: 10 million operations min. Electrical life: 5 A at 250 VAC or 30 VDC: 50,000 operations 3 A at 250 VAC or 30 VDC: 100,000 operations
Insulation resistance	100 MΩ (at 500 DVC) between power supply electrode section, and contact section	20 MΩ min. Between all external terminals and the case Between all power supply terminals and all input terminals Between all power supply terminals and all output terminals Between all input terminals and all output terminals
Shock resistance	100 m/s ² , 3 times in 6 directions along 3 axes	150 m/s ² , 3 times each in 6 directions along 3 axes However, 100m/ s ² for relay contacts.

Operation Methods

Product discontinuation	Recommended replacement
Model 61F-D21T-V1	Model K8AK-LS1
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> There is no change in operation method and LED display color. </div>	

Reference Documents

Description	Media	Publication number
K8AK-LS Conductive Liquid Level Controller Data Sheet	PDF	N33I-E-01
61F-D21T-V1 Conductive Level Controller Data Sheet	PDF	CSM 61F-D21T-V1 DS E 1 1

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.