

**To: NKK Authorized Distributor/Representative**

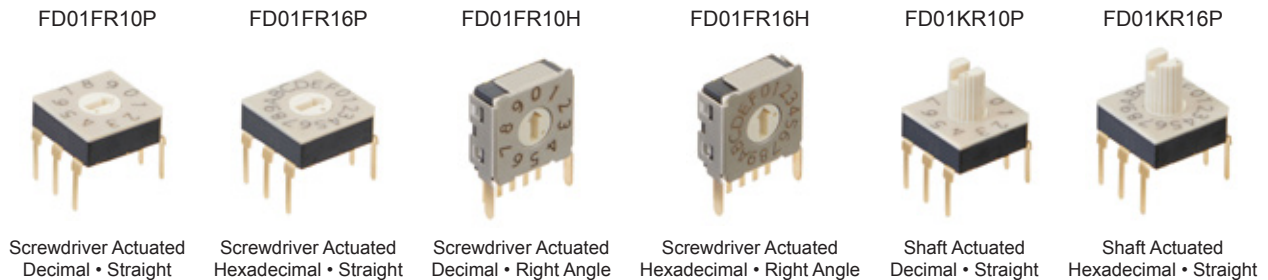
**Date: 02/08/2024**

**Re: New Product Announcement: Series FD01 & FD02 Rotary Switches**

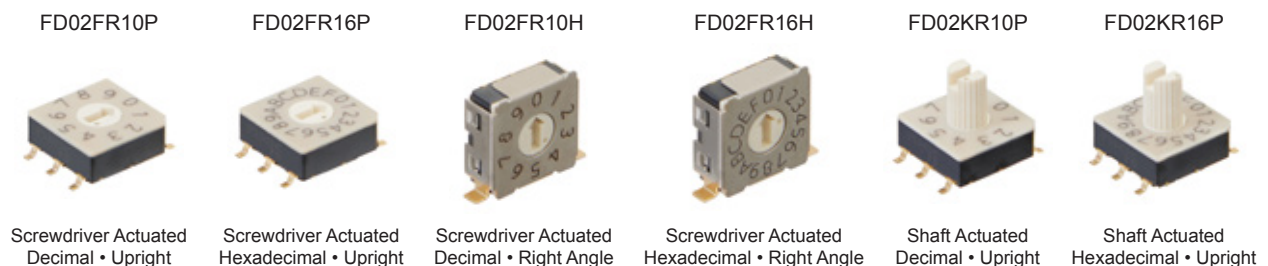
NKK is pleased to announce these two new series: the FD01 and FD02 ultra-thin DIP Rotary Switches. Super compact dimensions promote high density mounting for both the through-hole terminal model with standard inch grid spacing (Series FD01), and the surface mount (gull-winged) terminal model that secures mechanical stability, even during soldering (Series FD02). Expect NKK's caliber of quality in contact reliability with the gold plated contacts. Stick-tube packaging is available for both series, and tape-reels are a packaging option for Series FD02 surface mount.

Series	Terminals	Switch Specifications	Actuation	Circuits	Positions
<b>FD01:</b> Through-Hole Terminals	<ul style="list-style-type: none"> <li>• Straight or Gull Wing for Upright Mount</li> </ul>	<b>Dimensions:</b> 7.2mm (.283") Sq or 7.7mm (.303") Sq; Height 3.1mm – 3.3mm (.122" – .130") <b>Rating:</b> 0.4VA max, 20V max, AC/DC <b>Contact Resistance:</b> 100 milliohms max <b>Mechanical &amp; Electrical Life:</b> 10,000 Operations <b>Movable Contacts &amp; Terminals:</b> Gold Plating <b>Operating Temperature Range:</b> –25°C ~ +85°C (–13°F ~ +185°F)	<ul style="list-style-type: none"> <li>• Screwdriver</li> <li>• Plastic Shaft (Plastic Shaft Option with Real Coded &amp; Straight or Gull Wing Terminals for Upright Mount)</li> </ul>	<ul style="list-style-type: none"> <li>• Real Coded</li> <li>• Complement Coded</li> </ul>	<ul style="list-style-type: none"> <li>• 10 for Decimal</li> <li>• 16 for Hexadecimal</li> </ul>
<b>FD02:</b> Surface Mount Terminals	<ul style="list-style-type: none"> <li>• Right Angle or Gull Wing for Right Angle Mount</li> </ul>				

**Examples of Series FD01 models. See page 2 for a complete list of part numbers.**



**Examples of Series FD02 models. See page 2 for a complete list of part numbers.**



**For product samples, please contact**

**NKK Customer Service at [CustomerService@nkkswitches.com](mailto:CustomerService@nkkswitches.com) or call 480.991.0942**



## New Product Announcement: Series FD01 & FD02 Rotary Switches

Series FD01 Part Numbers		Series FD02 Part Numbers		
<b>Through-Hole Terminals</b>	FD01FR10P-S	<b>Surface Mount Terminals</b>	FD02FR10P-S	FD02FR10P-R
	FD01FC10P-S		FD02FC10P-S	FD02FC10P-R
	FD01FR16P-S		FD02FR16P-S	FD02FR16P-R
	FD01FC16P-S		FD02FC16P-S	FD02FC16P-R
	FD01FR10H-S		FD02FR10H-S	FD02FR10H-R
	FD01FC10H-S		FD02FC10H-S	FD02FC10H-R
	FD01FR16H-S		FD02FR16H-S	FD02FR16H-R
	FD01FC16H-S		FD02FC16H-S	FD02FC16H-R
	FD01KR10P-S		FD02KR10P-S	FD02KR10P-R
	FD01KR16P-S		FD02KR16P-S	FD02KR16P-R

Note: "-S" designates Stick-Tube Packaging. "-R" designates Tape-Reel Packaging.

Packaging	
<p><b>Stick-Tube</b></p> <p><b>FD01:</b> Each stick-tube contains 60 switches for straight or right angle.</p> <p><b>FD02:</b> Each stick-tube contains 60 switches for upright or 45 switches for right angle.</p>	<p><b>Tape-Reel</b></p> <p><b>FD02:</b> Each tape-reel contains 1,000 switches for screwdriver actuated with upright.</p> <p>Each tape-reel contains 500 switches for screwdriver actuated with right angle.</p> <p>Each tape-reel contains 500 switches for shaft actuated with upright.</p>

Applications		
<ul style="list-style-type: none"> <li>• Factory Automation</li> <li>• Robotics</li> </ul>	<ul style="list-style-type: none"> <li>• Handheld Automation Devices</li> <li>• Communication Devices</li> </ul>	<ul style="list-style-type: none"> <li>• Measuring Devices</li> <li>• Audio Equipment</li> </ul>

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