

Timers for all Applications

AUTOMATIONDIRECT offers solid-state timers from two leaders in the industry, Fuji and Koyo.

Fuji Electric has been in business since 1923 and has been selling timers in the U.S. since 1970. All Fuji products are produced under ISO9001 and ISO14000 criteria. Koyo has been selling timers for over 30 years. All timers meet UL and CE conformity. Whether you need a miniature DIN timer, a 1/16 DIN timer, or a full-blown 1/16 DIN digital timer, and need

to time in seconds or hours, AUTOMATIONDIRECT can supply a timer that fits your needs.



Fuji multi-mode timers feature:

Ease of use: How many times have you had to perform a math test just to determine your time range? In our unit, as the time range is adjusted, the corresponding display changes. This feature makes it very easy for the operator to set and read.

Full functionality: Up to four output modes can be selected simply with the turn of a screw. All outputs contain 5A, DPDT relays. This power allows you to minimize your inventory and maximize your flexibility.

LED indicators: Simply by looking at the face panel, you can tell if the timer is working properly.

Startup ease: When the dial is set to zero, the output turns on automatically. This feature allows for quick troubleshooting.

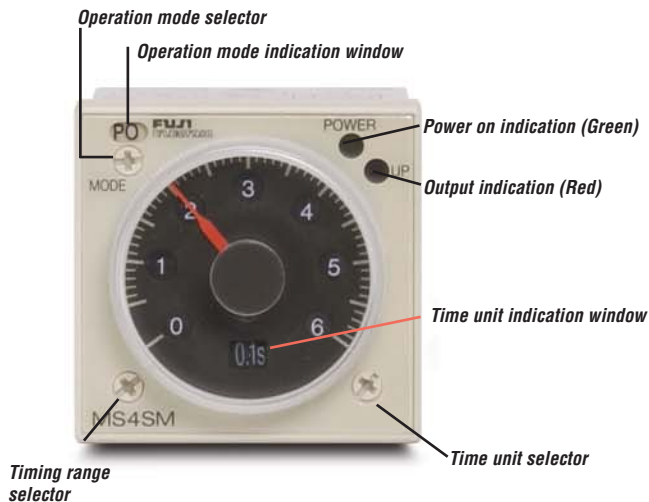
Miniature DIN timers are small and accurate

Small size: Measuring under one inch wide, these timers will save you much needed room in your enclosure. DIN rail mounting makes for easy installation.

Easy operation: A simple dial allows easy setup for the operator. With the indicating LEDs, an operator can easily check for proper operation.

Accuracy: The timer will perform its timing function, over and over again, with repeatable accuracy of +/- 1% of the setting.

FUJI multi-mode timers with full features



Koyo digital timers: powerful but easy to use

This full-function timer has all the bells and whistles, including full programmability:

Timing ranges and modes: Seconds to hours time ranges with decimal selection and up and down timing modes accommodate a wide range of applications.

Output modes: Five output modes, from on-delay to one-shot, use a reliable 2A relay to operate the controlled device.

Tamper-proof: Key protection can be set for individual keys to prevent unintentional changes by the operator.



Applications

Timers are used to perform a repeatable and predictable sequence of events. They can stand alone and control devices based on the timer setting and other operator selections, or they can receive commands remotely from other devices such as PLCs. Examples of time-based applications include an automated car wash sequence, a batch operation that adds and mixes ingredients based on time periods, or a paint process that uses the position of an object for a start signal, then operates a paint sprayer for a set time span.

ST7P Series	MS4S Series	KT-V4S Series
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Display	Manual dial Time setting Output LED indicator	Manual dial Time setting Power LED indicator Output LED indicator Output mode setting	4-digit green LED display for time setting 4-Digit red LED display for current time Output LED indicator Programming indicators
Input Power	100-120 VAC or 24 VDC	100-240 VAC or 24 VDC/AC	85-260 VAC or 10-26 VDC
Inputs	Timed signal	Reset signal Start signal Gate signal Timed signal	Start signal Reset signal Timed signal
Outputs	Normally-open DPDT Normally-closed DPDT	Normally-open DPDT Normally-closed DPDT	1 SPDT DC NPN transistor
Contact Rating	3 A @ 240 VAC (resistive load)	5 A @ 250 VAC (resistive load)	Mechanical: 2 A @ 220 VAC Transistor: 100 mA @ 24 VDC
Output Modes	On-delay	On-delay Flicker One shot Off-delay	On-delay Flicker One shot Off-delay Accumulation
Time Ranges	0.4 seconds to 60 minutes	0.05 seconds to 60 hours	0.001 seconds to 999.9 hours
Enclosure Rating	NEMA 1	NEMA 1	IP65 - faceplate
Agency Approvals	UL/CSA/CE/TUV	UL/CSA/CE/TUV	UL/CSA/CE
Price	starting at <---->	starting at <---->	starting at <---->