Danaher — Timers and Controllers

HG106A6



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The **HG106A6** timer is produced by Danaher and listed in the Timers and Controllers series. Designed for industrial panels, the device generates alternating ON and OFF periods so relays, solenoids, or motor starters can cycle without a PLC. Its purpose in automation is to provide a self-contained timing element that repeats continuously once power is applied, enabling simple rhythmic operations such as conveyor indexing, lubrication pulses, or lamp flashing.

Incoming power is rated at **120 VAC**, and the internal transformer is tuned for the standard North American mains frequency of **60 Hz**. Two changeover stages are available; the relay block provides **2 SPDT contacts** so separate loads can be controlled during each half of the cycle. Each pole is rated for **10 A at 120 VAC with a resistive load**, allowing the timer to control small motors, solenoid valves, or pilot starters directly. The front dial can be set within a maximum span of **60 minutes**, and an electromechanical cam drives the contacts through the programmed cycle. Operation is supported from -20 °F to 140 °F through the use of sealed gearing and suitable lubrication, permitting installation inside unconditioned enclosures.

The operating mode is classified as a **repeat cycle**; once energized, the unit alternates between on-time and off-time until supply power is removed. A coarse graduation ring permits a minimum interval of **1 minute**, letting indexing tables or agitators pause for brief dwell periods before restarting. The repeat error does not exceed **0.5% of the dial setting**, so successive cycles deviate by less than half a percent of the selected setting. The cam design limits overlap during ON-to-OFF transitions to **1.5% of the total cycle**, preventing simultaneous conduction

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during both periods. Mechanical latches are rated for 10,000,000 operations, supporting extended service within the stated temperature range.

Specifications

Dwell/overlap Limit:	1.5% of total cycle	**Mechanical Life:**	10,000,000 operations	**Minimum Setting:**	1 Min
Operating Temp Max:	140 °F	**Operating Temp Min:**	-20 °F	**Output Contacts:**	2 SPDT
Output Rating:	10 A at 120 VAC (resistive)	**Repeat Accuracy:**	0.5% of dial	**Supply Frequency:**	60 Hz
Supply Voltage:	120 VAC	**Time Range (dial):**	60 Min	**Timing Mode:**	Repeat Cycle
Last Verified:	11/14/2026 8:30 AM				

Contact Us

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