Danaher — Timers and Controllers

HP56A616



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The **HP56A616** interval timer is produced by Danaher as part of the Timers and Controllers series. This electromechanical unit closes or opens a circuit after a user-defined delay, allowing conveyor sections, heaters, or fluid valves to actuate in a fixed sequence within automated lines. It mounts behind a control panel and is powered directly from standard plant mains, giving machine builders a simple stand-alone timing element that does not require a separate logic controller.

Line power is applied at **120 VAC** and synchronized to a nominal line frequency of **60 Hz**, so the motor inside the mechanism advances the dial at a predictable rate. The output contacts can switch up to **10 A at 120 VAC**, which is suitable for small solenoids or motor starters. Users can select any delay between the dial minimum of 2 minutes and the upper limit of **60 minutes**; divisions are marked at 1-minute intervals for straightforward setting. The device repeats a programmed cycle within **±18 seconds** over its full range, providing adequate consistency for noncritical positioning or heating applications. The clutch burden is 10.5 VA, and the motor burden is 2.45 VA, minimizing the impact on auxiliary transformers.

Control relays engage after a pull-in interval of **28 ms** and release after a dropout lag of **17 ms**, limiting exposure to transient undervoltage. Mechanical endurance reaches **250,000 operations**, and the reset lever returns the dial to zero in 0.5 seconds to start the next batch without waiting for the full cycle to expire. The circular housing fits a **3.187 in** panel cutout and is secured with the provided bezel. Fifteen screw terminals along the rear simplify the wiring of power, clutch, and changeover contacts. The overall weight is 2 lb 14 oz, keeping strain on light-gauge

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panels low while still providing a rugged metal case for plant environments.

Specifications

Clutch Burden:	10.5 VA	**Dial Division:**	1 Min	**Dial Minimum Setting:**	2 Min
Drop-out Time:	17 ms	**Electrical Life:**	250,000 Operations	**Max Time Setting:**	60 Min
Motor Burden:	2.45 VA	**Nominal Frequency:**	60 Hz	**Nominal Voltage:**	120 VAC
Output Rating:	10 A @ 120 VAC	**Panel Cutout Dia:**	3.187 in	**Pull-in Time:**	28 ms
Repeat Accuracy:	±18 Sec	**Reset Time:**	0.5 Sec	**Terminal Count:**	15
Weight:	2 lb 14 oz	**Last Verified:**	11/15/2026 3:46 AM		

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

International: 1-919-443-0207

Fax: 1-919-867-6204

Email: sales@wakeindustrial.com

Shipping Options

Payment Methods

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