Danaher — Timers and Controllers

HP56A60192



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The **HP56A60192** is a mechanical interval timer produced by Danaher within the Timers and Controllers series. The device provides fixed-cycle control for automated equipment that must start and stop auxiliary loads on a repeating schedule. Its reverse-start control action initiates timing when the hand dial is returned toward zero, providing fail-safe operation if an operator forgets to wind the mechanism. A sealed HN383 explosion-proof enclosure allows the timer to operate in areas where ignitable gases or dust may be present.

Powered by **120 VAC** mains at **60 Hz**, the internal synchronous motor advances the dial through ratios that allow selection of any period between the **1-minute** minimum and the **30-minute** maximum. The 7.85-inch dial circumference provides clear visibility, and each 0.5-minute division on the face allows fine adjustment. While the timer is running, a cam closes contacts rated at **10 A at 120 VAC**, allowing the device to energize solenoids, heaters, or fractional-horsepower motors without an intermediate relay. The explosion-proof housing prevents internal arcs from reaching hazardous atmospheres. The reverse-start arrangement ensures that the circuit remains open unless the dial is deliberately set.

The magnetic clutch consumes only **10.5 VA**, while the drive motor draws **2.45 VA**, minimizing heat inside sealed panels. Coil pull-in occurs after 28 ms, and the armature drops out in 17 ms, permitting rapid cycling. A full mechanical reset requires only **0.5 seconds**, and the mechanism maintains cycle repeatability within **±9 seconds** across the entire timing range. Precise dial graduations make the desired interval easy to select without overshooting the intended setting. This timing control supports repeatable sequencing in applications such as

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mixers, conveyors, and purge valves.

Specifications

Clutch Burden:	10.5 VA	**Control Action:**	Reverse Start	**Dial Circumference:**	7.85 In
Dial Division:	0.5 Min	**Drop-out Time:**	17 ms	**Enclosure:**	HN383 Explosion Proof
Frequency:	60 Hz	**Maximum Setting:**	30 Min	**Minimum Setting:**	1 Min
Motor Burden:	2.45 VA	**Output Rating:**	10 A @ 120 VAC	**Pull-in Time:**	28 ms
Repeat Accuracy:	±9 Sec	**Reset Time:**	0.5 Sec	**Voltage:**	120 VAC
Last Verified:	11/14/2026 3:13 AM				

Contact Us

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