Danaher — Timers and Controllers

HA40A6B212



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The **HA40A6B212** is an electromechanical interval timer manufactured by Danaher for the Timers and Controllers series. Designed for panel mounting in automated assembly lines, it sequences auxiliary loads by closing or opening internal relay contacts after a fixed delay. The device couples a synchronous drive to a calibrated front dial, allowing operators to adjust process dwell times without making program changes. Its predictable mechanical countdown coordinates secondary actuators with the main PLC cycle in material-handling and packaging equipment.

During operation, the drive section uses a **synchronous motor** that rotates in step with the line frequency for consistent timing. The gear train has a dial advance ratio of **20:1**, allowing the pointer to provide precise adjustment for short intervals. The translucent scale measures **4 inches** across, providing clear visibility inside crowded control cabinets. At its upper limit, the mechanism supports a programmed interval of **20 seconds** before energizing the switching contacts. Power is supplied directly from a 120 VAC, 60 Hz source, allowing the unit to share a common control transformer with other panel devices while remaining isolated from high-power loads.

Switching is provided by three Form C relays that can carry up to **15 A** each. Their contact surfaces are plated with **silver** to minimize electrical resistance during repetitive operating cycles. The timer provides **three independent changeover circuits**, enabling simultaneous control of coils, pilot lights, or solenoid valves after the preset delay elapses. A **solenoid-operated clutch** engages the timing train only when a start signal is issued, preventing unnecessary wear between cycles. After the sequence is complete, an **electric reset mechanism** returns the pointer to zero and prepares the timer for the next operating cycle.

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Specifications

Clutch Actuation:	Solenoid	**Contact Current Rating:**	15 A	**Contact Material:**	Silver
Contact Set Count:	3	**Dial Turn Ratio:**	20:1	**Drive Type:**	Synchronous Motor
Maximum Timing Period:	20 s	**Outer Dial Diameter:**	4 in	**Reset Type:**	Electric
Supply Frequency:	60 Hz	**Supply Voltage:**	120 VAC	**Last Verified:**	11/16/2026 9:11 AM

Contact Us

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Shipping Options

Payment Methods

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