

Synchronome

COMPANY

LIMITED

STATION ROAD · WESTBURY · WILTS TEL. WESTBURY 491/5

ELECTRIC TIME AND FIRE ALARM SYSTEMS

SfB (64)

UDC 681.113

Date 1-3-65

Synchronome

MINUTE-MASTER

Accurate time-keeping is no less important in the smaller business than in larger organisations. The new Minute-Master system has been designed by Synchronome technicians for small circuits of time-keeping. It is ideal for simple systems of time control, giving a degree of accuracy normally expected only from more elaborate installations. The Minute-Master can operate a maximum of two Time Recorders and six dials, more than sufficient for the smaller factory, office or business premises. More accurate than Master Clocks fitted with a $\frac{1}{2}$ second pendulum, the Minute-Master is the least expensive Master Clock available, and its low cost is accompanied by excellent rental terms covering the cost of the complete installation. The Minute-Master does not rely on the mains supply, and gives utmost dependability.

All installations are supervised by skilled personnel, and after-sales service, where required, is prompt and helpful.

THE MINUTE-MASTER

Compactness of layout is an important advantage of the Synchronome design. The re-designed Master Clock—the Minute-Master—is relatively small (less than thirty inches high) and has a $\frac{3}{4}$ second pendulum. The pendulum is of Invar, with a co-efficient of expansion of only .0000003 parts per degree Centigrade. Synchronome clocks are therefore practically unaffected by temperature variations, and, as the pendulum is non-hygrosopic, represent a considerable improvement on types having wood pendulum rods.

The pendulum is maintained on the Hipp principle which ensures constant accuracy in time-keeping. Falling voltage merely produces more frequent impulsing of the pendulum, thereby sustaining accurate time-keeping.

The Minute-Master mechanism gives one impulse per minute. Timing impulses are of the unidirectional type, and will operate wall dials, and time recorders. The Minute-Master movement is designed for quick removal from the case, to facilitate easy maintenance.

ADVANCE AND RETARD

A push button, mounted on the movement baseplate, has been provided to advance the system manually when required, for example, in changing over to British Summer Time.

MINUTE-MASTER CASE

The Minute-Master is housed in a hardwood case, measuring 29 inches high, 10 inches wide, and 5 inches deep. It has a glazed front with fitted lever lock and key. The dial is 7 inches in diameter, and has Arabic numerals.

