THE AUXILIARY COCK—MANUAL " ON "—" OFF " MODEL

When this auxiliary cock is fitted to a 3A/UNI Controller a manual " ON " operation of the boiler can be obtained outside the normal operating times provided by the Controller.

This is achieved by shunting gas through the auxiliary cock which operates independently of the controller cock.

Since this operation is made by hand it follows that a further hand operation is necessary to close the auxiliary supply when automatic control is being restored.

The illustration figure 1 shows the auxiliary cock mounted on a controller; when required it should be specified at the time of ordering the controller and cannot be supplied later.

THE CLOCKWORK MOVEMENT

Type 3A/UNI Controllers are operated by an easily detachable 15 day or 40 day hand wound clockwork movement; the illustration figure 3 shows the 15 day movement, assembled into a heavy steel drum with hinged front cover, removed from its gas cock.

All clockwork movements include a first class fully jewelled platform lever escapement giving a high degree of accuracy of time keeping and carry a 3 year guarantee against failure due to mechanical defects.

ELECTRICAL MOVEMENTS

For those who prefer an electrically operated movement, either a synchronous motor driven movement, a synchronous motor driven movement with 72 hour spring reserve, or an electrically wound clockwork movement with 7 day spring reserve can be supplied.

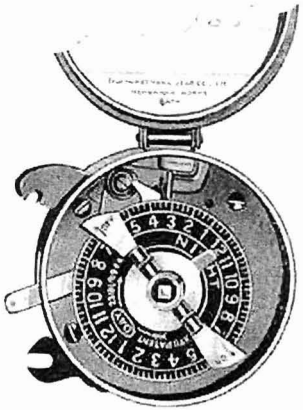
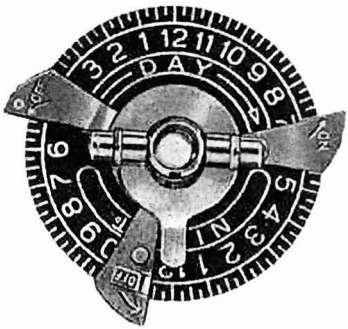


Fig. 3.
3A/UNI Movement detached from gas cock.



TYPES OF 3A/UNI MOVEMENTS AND TAPPET ASSEMBLIES

The standard type 3A/UNI movement as illustrated in figure 1 is supplied with a 2 tappet dial to make a single " ON " and a single " OFF " operation at the same times each day.

The dial, which revolves in a clockwise direction once daily is marked " Day " (6 a.m. to 6 p.m.) and " Night " (6 p.m. to 6 a.m.) each hour being clearly marked and divided into 15-minute intervals to simplify setting tappets to time. each tappet is marked " ON " or " OFF" and the minimum interval between operations is 1½ hours.

When more than one " ON " operation is required each day the dial assembly includes additional tappets. Dial assemblies are available with 4 or 6 tappets so arranged that one pair of tappets can be folded together to vary the number of daily operations performed.

The illustration figure 4 shows the method of mounting tappets round the dial and also the use of a 4 tappet dial assembly arranged with one pair of tappets folded together to give a single " ON " operation each day.

When ordering a Controller the number of tappets required should be specified.