

Film-Tech

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INSTRUCTIONS



These Are Handy — Do Not Throw Away

The Weaver Electrical Auto-Douser is an electrically operated douser. It consists of the Douser shutter, with handle for hand operation, and coils for electrical operation, together with necessary mechanical and electrical attachments.

The shutter may be opened or closed by hand, or electrically by a single push of a momentary contact switch. This gives an instantaneous change-over and permits the screening of a truly continuous picture.

One of the advantages in the use of this Douser consists in having the shutter between the lamp and the film.

WIRING DIAGRAMS

The wiring diagrams illustrated herewith show three typical combinations. The first diagram shows two Dousers and two switches and the second diagram shows three Dousers and three switches. As many more switches as desired may be used and in every case they would be connected into the circuits in exactly the same way as those shown on the diagrams.

SWITCHES

The switches referred to for the operation of this Douser are momentary contact, double acting switches. It is very important that a good grade of momentary contact switch be used. We strongly recommend the use of the Hart and Hegeman (H and H) double pole, double acting, momentary contact push button switch, No. 2061. This is the type illustrated in the lower diagram. Where three machines and three Dousers are used, we recommend the use of the Special Tumbler four point momentary contact switches, No. 21585A, which permits the opening of any desired Douser and closing the other two; it also permits the installation of a master close switch which closes all Dousers.

FOOT SWITCH

To make connections, remove bottom plate and wire switch as per wiring diagram on opposite side. This switch is a Four Point Momentary Contact and with two Douser installation, one corner is left empty; three Douser hookup, use all terminals as per center diagram.

WIRING

The wiring is simple. The main line circuit should be 110 volt, either A.C. or D.C. It must always be protected with **Buss Fusetrans not to exceed 3.2 Amperes capacity**. The white wire connects from one Douser to the other and attaches to line, not connecting with the momentary contact switch. One pole of each switch connects to the opposite side of the line as shown.

The black wire closes the one Douser and must be attached to the yellow wire of the opposite Douser and to one leg of each switch, as shown. Yellow wire connects to black wire of opposite douser and to one leg of each switch, as shown.

CAUTION: Before connecting yellow and black wires to switches, test the switches to see that they are open except when switches are operated.

ADJUSTMENT OF DOUSERS: Should Dousers open or close too far or not far enough, loosen lock nut at end of coil box, unscrew the bumpers in or out, as need may be, until the correct adjustment is obtained. MODEL "D": If Douser should fail to remain open when projector is in operation, remove taper pin in slot and stretch spring to give it more tension, and replace. MODEL "B": Adjust screw holding Douser blade to slot in or out so that blade works free in cooling plate or rear shutter shield. Blade is offset and may be reversed if necessary for proper alignment.

TO OPERATE

The Douser may be operated by hand in order to spot your light or for any other reason desired. The hand operation of one Douser will in no way affect the other. To operate the Douser electrically, press the proper button of the momentary contact switch and immediately release it.

CAUTION: Remember to oil your switches so that they do not stick. Test circuits to see that they are open, except when switches are operated. Release switch button immediately. Never hold switch button down.

Switches, Coils and All Parts Always in Stock for Immediate Shipment

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