

IMPORTANT—READ CAREFULLY

The Care and Operation of

**THE WOLLENSAK
ALPHAX SHUTTER**



WOLLENSAK OPTICAL CO.
ROCHESTER, N.Y., U.S.A.

THE ALPHAX SHUTTER

This photographic shutter is a highly precise instrument that has been built to the same exacting tolerance as a fine watch. Only skilled mechanics with many years of experience assemble these fine instruments, and with reasonable care, it will serve faithfully for many years by rendering accurate and dependable exposures.

An accurately fitted train of watch gears and pinions, working in connection with a series of levers and carefully tempered springs, assure uniform and properly timed exposures—the essence of good and well-timed negatives.

In designing the Alphax Shutter, every consideration was given to the fact that instruments of this type are sometimes subjected to continuous and often, hard usage. It, nevertheless, is a sensitive instrument, and should be handled carefully, the same as any valuable timepiece.

TO OPERATE

The markings on the speed dial represent the fractional parts of a second:

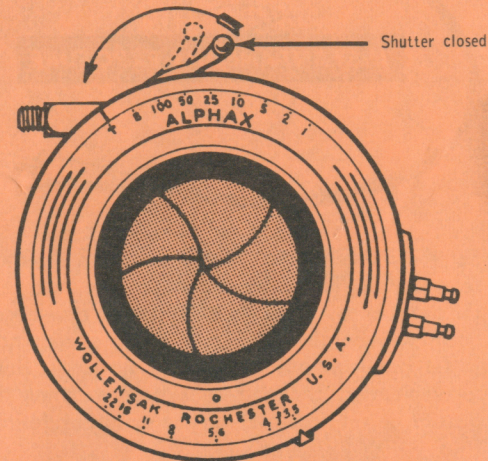
| T | B | 100 | 50 | 25 | 10 | 5 | 2 | 1 |
|------|------|------------|-----------|-----------|-----------|----------|----------|--------|
| Time | Bulb | 1/100 Sec. | 1/50 Sec. | 1/25 Sec. | 1/10 Sec. | 1/5 Sec. | 1/2 Sec. | 1 Sec. |

T or TIME Exposure is used generally when the shutter is to remain open for focusing the lens. Turn the speed indicator, the outside knurled disc, until the indicator is opposite "T." To open, press the cable release, or pull the lever extending out of the shutter on the top, to the left, and then release. This action will cause the shutter blades to open, and remain open until this lever is again tripped in the same direction—to the left, when the blades will close.

CAUTION By no means attempt to pull this lever to the right when the shutter is in the open position.

- To operate shutter pull lever in direction of arrow as far as it will go and release.
- To open shutter when set on "time" follow same procedure. Lever will snap back into dotted line position.
- To close shutter pull lever in direction of arrow a second time and release.

CAUTION—Never force lever back in direction opposing arrow!



B or BULB Exposure is used for making exposures of prolonged duration. Set the speed indicator to "B" and trip the release lever, or cable release, to open the shutter, which will remain open as long as pressure is maintained on the lever or cable release.



Set the indicator dial to the exposure desired, and release the shutter by pulling the release lever to the left, or by pressure on the cable release. No harm will befall the shutter if the speed indicator is set between any two given markings, but, it is recommended for correct exposures, that the indicator be set accurately at the exposure desired.



DON'T

Don't use oil on the shutter. Special greases have been applied that make it unnecessary to use any additional lubricants. *Oil will ruin the shutter.*

Don't use graphite. If the shutter acts sluggish, it maybe the result of continous wear, extreme atmospheric conditions, or undue exposure to dust. Dust should present no problem when lens cells are screwed into the shutter, keeping it free from this condition. But if the shutter is exposed to dust without the lenses in place, trouble may be anticipated. Should dust settle on the shutter blades, it is recommended that a soft camel hair brush be used to remove same, or blow the dust out with a rubber syringe bulb.