

RPB® ADF Lens: Troubleshooting Guide

Part number: 16-871

What are the 3 sensors?

There are 2 x IR (infrared) sensors and 1 x daylight sensor. The algorithm programmed in the lens will automatically determine if the light present is from a welding arc and this will switch the ADF into a dark state.

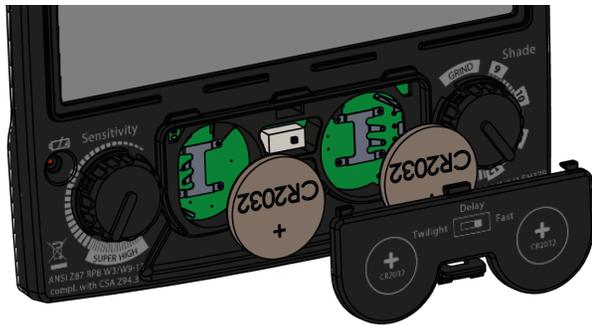


How long do the batteries last?

Approximately 2000 hours of operating time.

Why is there no adjustment for delay?

Delay can be adjusted by using the switch located underneath the battery cover. In position 'ON', there is approximately a 0.15 second delay. Changing to switch position '1' will increase this to 1.5 seconds.

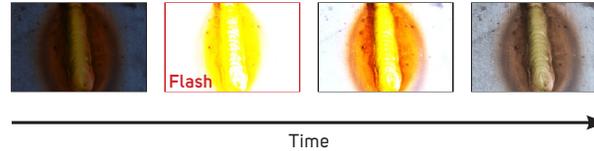


When and how to use the twilight and fast settings.

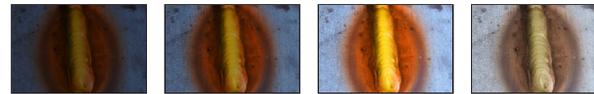
The twilight setting should be used when welding with middle-high power. This delay reduces the speed in which the ADF goes into its brighter state, keeping the eyes comfortable as there is likely to be light present in the welding environment for longer.

The fast setting should be used when welding with low power, such as tack welding.

Traditional



Twilight



How do we test for faulty lenses?

The easiest way is to compare an ADF with another or new lens. If the same problem is demonstrated here, then the ADF is fine and the reported problem can be attributed to adjustment settings.

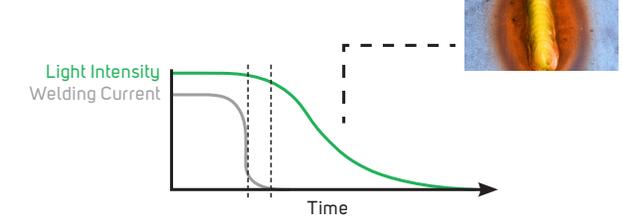
Common causes are from using the incorrect delay and sensitivity settings which will affect this.

If there are any type of breaks, cracks or mechanical damage, the ADF must be taken out of operation and replaced immediately.

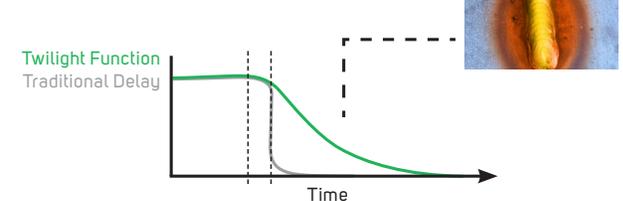
Sensitivity settings.

Sensitivity settings should be based on the arc brightness. The lower the welding power, the higher you can increase the sensitivity, the higher the welding power, the lower you would want this setting. We recommend starting in the middle position and adjusting to your environment.

Intense Afterglow of Workpiece



Twilight Feature



Need further help?

Contact the team at RPB, call us now on 1-866-494-4599, email sales@rpbafety.com or visit rpbafety.com.

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