Installation Instructions

SV-UHF Sideview Mirror Tag

PLEASE READ
BEFORE ATTACHING TAGS

The SV-UHF Sideview Mirror Tag is for vehicle identification in access systems that use AWID's UHF long-range readers LR-2000, LR-2200, LR-3000, and "HiLo" variations. The tag attaches permanently on the shell of an outside mirror. The installing dealer must give instructions to the customer. Users need assistance for correct use of this tag.

READER LOCATION

- The UHF long-range reader is usually installed so that it faces a clear, open space shaped like a balloon about 30 feet long and 16 feet diameter. An adjustable-head bracket lets the installer aim the reader toward the location of tags.
- The reader may be mounted at the side of the travel lane, facing the approaching vehicles. Typical height is 8 feet.

TAG LOCATION

- The SV-UHF tag must be installed inside the reader's effective RF field, usually 20-25 feet in front of the reader.
- The tag reads best if it is away from metal, in line with the reader, with clear line of sight between the tag and reader.
- The tag should be held flat. It should be attached by its adhesive to an approximately flat surface outside the car.
- The front face of the UHF reader should be aimed directly at (a) the front of the tag or (b) either long edge of the tag.
- For least visibility and best protection of the tag, it may be attached on the bottom edge of the side mirror's shell.

The SV-UHF tag is not to be used as a portable tag. It is not to be held by hand. You must use the tag's adhesive for permanent attachment on the sideview mirror's shell. Other flat locations outside the vehicle also may work well.

VEHICLE CHARACTERISTICS

- Attaching the SV-UHF tag on a metal surface may prevent reading the tag's code. Put the tag on a plastic surface.

TEST FOR RELIABLE TAG READING

1. Move the vehicle so that the side-view mirror is in the planned reading space. Put small pieces of tape over the ends of the tag, not covering the long antenna. Place the tag on the mirror's shell with the peelable paper against the shell. The tape should be easily peelable (masking or electrical tape – not clear mending or sealing or duct tape).

2. Tag reads are indicated by AWID's LR-Sounder clipped to the reader's wires, or by the reader's LED, or by gate opening. (Do not use adhesive to hold the *test* tag on the vehicle. The same test tag may be used repeatedly.)

ATTACHING THE TAG

1. Prepare the mounting surface – clean it with glass cleaner spray and paper towels.
2. Keep the tag flat while you peel the paper sheet gently from the tag's adhesive.
3. Hold the tag against the non-metal surface at the selected location.
4. Press the tag firmly so that it is flat and smooth on the surface – no bubbles.
5. Program the tag's individual code into the host system's database.

This is a *single-use* tag for *permanent* application. After the adhesive cures, the tag will be disabled if it is ripped off the surface. The tag can not be re-used after it is attached.

ALTERNATIVES

- This tag can be installed on a surface outside a vehicle where the tag's face or either long edge faces the UHF reader.

- AWID has other tag types for installation inside and outside vehicles. Please see AWID's Credentials product sheets, or talk with the Sales or Technical staff.

FOR END USERS Prepare written instructions for the customer. Train the customer's technician in this installation procedure. The end users may not be able to install tags well.