Technical Reference

LR-3000 UHF Long-Range Reader
Comparison with LR-2000 Reader

The LR-3000 UHF Reader offers advantages to the installers compared with the LR-2000 UHF Reader. The benefits, differences, and compatible features are described.

Advantages

- The LR-3000 Reader does *not* need to be installed inside a protective housing. It can be exposed directly to all weather conditions, and to sunlight at any temperature.

- The LR-3000 Reader's appearance is sleek and slim, with narrow edges and clean white color.

- The LR-3000 has 2 LEDs on the lower edge – **red** when DC power is on, and **green** blinking when a tag is present.

- The dimensions (9.8 ✗ 9.8 ✗ 1.3 inches) are *much smaller* than the LR-2000 reader's protective housing.

- The LR-3000 uses the same encoded *tags and cards* as AWID's other UHF readers.

- The LR-3000 is fully *compatible* with systems using AWID's LR-2000 long-range reader and its credentials.

- The LR-2000 may be mixed with the LR-3000 for outdoor installation – LR-2000 where the reader is *sheltered* from direct precipitation and sunlight; LR-3000 where the reader is *exposed*.

Differences

- 2 *LEDs* indicate status of the reader – DC power applied, and reading a compatible tag or card.

- External *dimensions* are only a little larger than the LR-2000 Reader without its protective housing.

- C*able* integrated with the LR-3000 exits the reader at its lower edge, not through the back-plate.

- Cable *connections* near the reader are in a junction box or closed space, not inside the protective housing.

Same Features

- Performance is the same – reading distance matches the tags and cards with the LR-2000 Reader.

- Function is the same – reading vehicle-mounted tags and hand-held cards; transmitting data to the controller.

- Mounting method is the same – two ¼" ✗ 20 screws into capture nuts in the reader's aluminum back-plate.

- DC power supply is the same – typically 12 volts; 2 amperes capacity or more; linear rated; regulated output.

- Wiring is the same – arming circuit; power supply; Wiegand (or RS-232) data; drain/shields.

- Interface to the system's controller is the same.

- Application software in the host access control system is the same.

References

- Product sheet "LR-3000 Extra Long-Ranger Reader"

- Installation Sheet "LR-3000 Quick Installation Guide"

- Product sheet "Credentials for UHF Readers"