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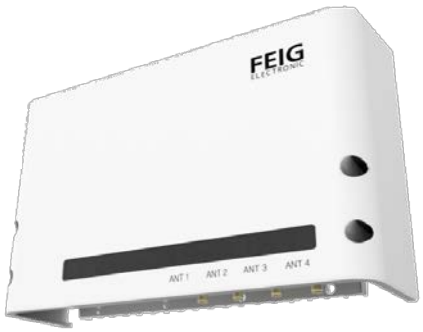
UHF Long Range Reader better than ever!

New version of ID ISC.LRU1002 offers much more features



FEIG ELECTRONIC presents a new version of the successful UHF Long Range Reader ID ISC.LRU1002 with a lot of new features.
The secure and user-friendly hardware solution, based on a secure element, fulfills customer requirements especially in the area of vehicle identification systems. The new hardware variant will be available as a serial device at the end of February 2017.

Optimal hardware for secure vehicle access control systems

With a range of up to 12 m, UHF readers are ideally suited for vehicle access control systems. For this application, the new LRU1002 has not only a battery-based real-time clock, but also an improved Wiegand interface, which makes the reader compatible with common systems.
An optional Wiegand switch also ensures that two lanes can be monitored at the same time. Since access control systems have to be highly secure in sensitive areas, the LRU1002 has a secure element for the secure storage of so-called application keys that are used in transponders with an UCODE DNA chip from NXP. These keys are used for secure authentification of transponders according to EPC Class1 Gen2 V2 and ISO29167 and prevent thereby the access of unauthorized persons with a cloned transponder.

Easy installation and highest maintenance and service friendliness

The new version of the LRU 1002 offers new application-related features as well as numerous new features to enhance user comfort.
So the reader configuration can be easily stored on a USB stick to transfer it to another reader (Configuration Cloning).

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This increases service and maintenance friendliness, as configurations can be quickly copied and transferred to other devices.
The labeling of the antenna indicators shows at a glance, which antennas are active (LED lights up green), which have reading events (LED lights up blue) and which have a mismatch (LED lights up red).
In addition, the LRU1002 now provides full support for the external UHF multiplexer ID ISC.ANT.UMUX. Beside the control of the antenna outputs, the power supply of the multiplexer is now provided via the antenna cable. This greatly simplifies the installation effort, since only one antenna cable is required for the connection and operation of the multiplexer. Additional components such as an external power supply and additional cabling effort for control lines are no longer required.

Extensive technical equipment

The new LRU1002 has six inputs and outputs that enable vehicle access control applications with multiple lanes.
The reader supports the EPCglobalTM low level reader protocol (LLPR), has 4 hardware interfaces (Ethernet, RS232, USB and Wiegand), offers a protection function against malfunctions, such antenna short-circuit, antenna mismatch or electrostatic discharge, and thanks to protection class IP64 it is also suitable for use in harsh industrial environments.

The new reader will be available as a serial device at the end of February 2017.