

# LRC222 and LRC224



Loop Emulation Cards offer two (LRC222) or four (LRC224) channels of contact closure outputs. They are designed to create an interface between SpeedLane Pro radar and a traffic controller. Compatible traffic controllers include TS-1, TS-2, 170 and 2070. With the capacity to link multiple cards to a single radar, this product ensures scalable communication and control.

## Key Features and Advantages

- **Comprehensive Display Capabilities:** Provides real-time updates on radar and host communications, zone-by-zone detections, power and fault statuses.
- **Dual RS485 Connectors:** Designed with dual RS485 connectors, this feature enables connectivity to the radar while also allowing for the daisy-chaining of multiple cards for expanded operations.
- **Automatic Card Detection:** Radar can automatically identify each card, ensuring seamless integration and efficient system set-up.
- **USB Connection:** The inclusion of a USB interface promotes smooth and easy host communication.
- **Robust IO:** Equipped with solid state outputs and advanced surge protection to prevent damage from unexpected power surges.
- **Hardware Watchdog:** Facilitates a fail-safe mode in the event of power failures, communication disruptions, or MCU failures.
- **Upgradable Firmware:** The firmware of the card can be updated in the field, ensuring your system stays up-to-date with the latest features and improvements.
- **Comprehensive Built-in Self-Test:** This feature can automatically check system integrity, ensuring reliable and consistent performance.

Specifications & Recommended Operating Conditions	
Specification	Recommended Condition
Power Supply	12-28V, 24V nom, 0.5W max
Cards per rack	Up to 14 / 7
Number of detection outputs	2 / 4
Number of status outputs	2 / 4
Timing Precision	1ms
Contact rating	150mA
Number of logical channels	28
Communication	RS485, USB