IDentity Transponders

Ultra High Frequency 865 - 960 MHz
Transponders for Automatic Vehicle Identification

Overview

IDentity transponders are radio frequency (RF) tags designed for Sirit's Automatic Vehicle Identification systems. Each transponder contains a unique identification code and utilizes energy from the reader for power, eliminating the requirement for a battery. Transponders are available in either transferrable or non-transferrable windshield mount, external license plate, headlamp mount, or credit card form factor for side fire installations. All transponder form factors provide convenient access control by eliminating tedious lineups and delays associated with manual systems.

How It Works

Sirit's IDentity transponders use RF backscatter modulation technology to respond to signals emitted by a reader by reflecting and modulating the reader's RF signal. As a transponder approaches the read zone, the presence of an RF field "wakes" the transponder. Once activated, the transponder returns a pre-programmed code to the reader.
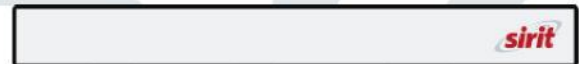
FEATURES

- Passive operation

  Transponder is powered by the reader/antenna device

- Ideal for wide range of applications

  - Commercial Parking
  - Gated communities
  - University campuses
    - Hospitals and many more

- Worldwide compliant tags available in a variety of form factors.

IDentity Credit Card Transponder

IDentity Windshield Transponder
(Non-Transferrable)

IDentity Windshield Transponder
(Transferrable)

IDentity External License Plate Transponder

RS1647

IDentity Headlamp Mount Tag

ID*entity* Transponders
865 - 960 MHz Global, Passive Transponders

sirit
vision beyond sight™

Performance Characteristics	
Operating Frequency:	865 MHz to 960 MHz

Physical Characteristics	
Dimensions (LxW):	IDentity Non Transferrable Windshield Transponder 25.4mm x 67.31mm (2.65 in x 1.0 in.)
	IDentity Credit Card Transponder 85.72mm x 53.97 mm (3.375 x 2.125 in.)
	IDentity Transferrable Windshield Transponder 15.6 x 2.2 cm (6.12 x 0.80 in.)
	IDentity External License Plate Transponder 20.9 x 4.3 x 2.8 cm (8.25 x 1.68 x 1.10 in.)
	IDentity Headlamp Mount Transponder 12.70mm x 96.83mm (0.5 x 3.18 in.)

Environment	
IDentity Non Transferrable, Transferrable, License Plate & Headlamp Mount Transponders	
Operating Temperature:	-40ºC to +85ºC (-40ºF to 185ºF)
Storage Temperature:	-55ºC to +125ºC (-67ºF to 257ºF)
IDentity Credit Card Transponder	
Operating Temperature:	-40ºC to +85ºC (-40ºF to 185ºF)
Storage Temperature:	-55ºC to +85ºC (-67ºF to 185ºF)
Power:	RF beam powered by the reader, no battery required

Ordering Information	
Part Number:	Description:
ID-WMT-NT-L3S	IDentity Windshield Transponder (Non-Transferrable)
ID-WMT-TR-L3S	IDentity Windshield Transponder (Transferrable)
ID-CCT	IDentity Credit Card Transponder
ID-ELP-L3S	IDentity External License Plate Transponder
ID-HMT-L3SP	IDentity Headlamp Mount Transponder

www.sirit.com

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RFID by Sirit

The "RFID by Sirit" symbol signifies that Sirit Inc.'s high quality RFID reader technology resides within this product.

DS-0064