



IDentity ZiP-Reader

Overview

SIRIT's IDentity ZiP reader system uses Radio Frequency Identification (RFID) technology to read **SIRIT's IDentity ZiP** vehicle mounted transponders. Mounted in a weather resistant NEMA enclosure, it is a self-contained versatile reader capable of either stand-alone operation or interface with industry standard controllers.

SIRIT's IDentity ZiP reader's unique ability to interface up to four antennas creates an economical solution for automatic vehicle access requirements.

Multi-Channel Reader

Each reader system is capable of servicing four separate antenna locations remotely located from the reader system with up to 75 feet cable. Each of the four locations are supported by two inputs, which may be used for purposes such as vehicle detection loops or light curtains.

Additionally, each location supports two outputs which can be used for gate vending control, vehicle stop-and-go light control or other functions.

Features:

- **Multi-Channel Reader**
The **IDentity ZiP** reader comes standard as a 4 channel reader, capable of controlling up to 4 lanes.
- **Flash Tag List**
The **IDentity ZiP** reader can easily be updated with new transponder information using the CompactFlash™ card.
- **Stand Alone Option**
Utilizing the **IDentity ZiP** software, the reader can be loaded with a tag list for stand alone operation.

Communication

The **IDentity ZiP** system is capable of communicating transponder identification information to a variety of established host systems via RS-232, RS-422 or RS-485 to the host. Additionally, each of the four different transponder reading channels has their own independent Wiegand protocol output for reporting to host systems.



Authorized SIRIT Dealer



900 MHz Reader - IDentity ZiP

Automatic Vehicle Identification (AVI)

Communications / Memory / Electrical specifications

Operating Frequency:	912.5 MHz to 920.5 MHz (user selectable via maintenance software)
Working / Read Range:	Set by reader and antenna configuration up to 5.48m (18 ft)
Communications:	Wiegand 26 - 34 bit, RS-232, RS-422, RS-485
Data Format:	User selectable via maintenance software
External Inputs:	Two independant discrete TTL
External Outputs:	Two independant discrete outputs, jumper configurable to either +5VDC or +12VDC
Compliance:	FCC part 15 and 90 Industry Canada
Power Requirements:	85 to 264 VAC, 4 Amps

Physical specifications

Size (NEMA enclosure):	40.6 x 22.8 x 35.5 cm (16 x 9 x 14")
Reader:	24.1 x 22.8 x 6.35 cm (9.5 x 9 x 2.5")
Weight (NEMA enclosure):	8.5 kg (18.7 lbs)
Storage Temperature:	-40°C to +114°C (-40°F to 237°F)
Operating Temperature:	-25°C to +60°C (-13°F to 140°F)
Humidity:	85% non-condensing @ 85°C
Packaging:	NEMA 4X weather proof enclosure

Ordering information

Model Number:	Description:
IDZIP-READER-IV	4 channel reader (including NEMA enclosure and power supply)
IDZIP-CB-IV	4 channel reader only
IDZIP-READER-PS	Power Supply



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