



IDentity ZiP Reader

Ultra High Frequency 912.5 - 920.5 MHz
Multi-Channel, Multi-Protocol Reader

FEATURES

- Multi-channel reader
Reader comes standard as a 4 channel reader, capable of controlling up to 4 lanes
- Flash tag list
Reader can easily be updated with new transponder information using a CompactFlash™ card
- Stand-alone operation
Storage of tag list in reader using IDentity ZiP firmware enables stand-alone functionality

Overview

Sirit's IDentity ZiP reader uses radio frequency identification (RFID) technology to read Sirit IDentity ZiP vehicle-mount transponders. Protected against the elements by a weather resistant NEMA enclosure, this self-contained versatile reader is capable of stand-alone operation or interfacing with industry standard controllers. The IDentity ZiP reader's unique ability to support up to four antennas/lanes provides an economical solution for most automatic vehicle identification applications.

Multi-Channel Reader

The IDentity ZiP reader can handle up to four separate lane/antenna locations. Each of the four antenna locations is supported by two independent discrete TTL capable inputs, which may be used for vehicle detecting loops, light curtains or other detection schemes required by the installation. Additionally, each location has two discrete outputs which are jumper configurable for either +5 VDC or +12 VDC current limited outputs. These outputs can be used for gate vending control, vehicle stop-and-go light control or other purposes. For added flexibility, each of the four antennas may be remotely located up to 75 feet from the reader by using the recommended cable.

Communication

The IDentity ZiP system communicates transponder activity to a variety of established host systems via RS-232, RS-485, or Wiegand protocols.



IDentity ZiP Reader

912.5 - 920.5 MHz Multi Channel Reader



Performance Characteristics

Frequency:	UHF band, 912.5 MHz to 920.5 MHz (user selectable via firmware)
Working Range:	Set by reader, up to 5.4 m (18 ft.)
Communications Protocol:	Wiegand, RS-232, RS-485
Data Format:	Configurable 26 to 34-bit (Wiegand)
External Inputs:	Two independent discrete TTL inputs
External Outputs:	Two independent discrete outputs, jumper configurable to either +5 VDC or +12 VDC

Physical Characteristics

Dimensions (LxWxD):	Reader: 24.1 x 22.9 x 6.4 cm (9.50 x 9.00 x 2.50 in.) Enclosure: 42.0 x 37.0 x 20.3 cm (16.55 x 14.55 x 8.00 in.)
Packaging:	NEMA 4X weather proof enclosure
Weight:	8.5 kg (18.70 lb.)

Environment

Operating Temperature:	-25°C to +60°C (-13°F to 140°F)
Storage Temperature:	-40°C to +114°C (-40°F to 237°F)
Relative Humidity:	85% non-condensing @ 85°C
Power:	85 to 264 VAC, 4 Amps
Regulatory:	FCC part 15 and 90 Industry Canada approval # 3637371115A

Ordering Information

Part Number:	Description:
IDZIP-READER-IV	4 channel ID ZiP reader, w/NEMA enclosure & power supply
IDZIP-CB-IV	4 channel IDentity ZiP Reader (board only)
IDZIP-READER-PS	IDentity ZiP power supply
IDZIP-MAN-H/W	Hardware installation manual
IDZIP-REL-01	Relay kit with 1 relay
IDZIP-REL-02	Relay kit with 2 relays
IDZIP-REL-03	Relay kit with 3 relays
IDZIP-REL-04	Relay kit with 4 relays
IDZIP-REL-DC-DC	Dry contact DC output relay



IDentity ZiP Reader with NEMA Enclosure & Power Supply



SIRIT - CANADA
372 Bay Street, Suite 1100
Toronto, ON M5H 2W9 Canada
Tel: 416.367.1897
Fax: 416.367.1435

SIRIT - USA
1321 Valwood Parkway, Suite 620
Carrollton, Texas 75006 USA
Tel: 972.243.7208
Fax: 972.243.8034

For more information,
contact sales toll free
at 1.800.498.8760

E-mail: pacs@sirit.com

www.sirit.com

About Sirit Inc.

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) reader technology to OEMs and solution providers worldwide. Harnessing the power of Sirit's enabling-RFID technology, customers are able to more rapidly bring high quality RFID solutions to the market with reduced initial engineering costs. Sirit's products are built on more than 13 years of RF domain expertise addressing multiple frequencies (LF/HF/UHF), multiple protocols and are compliant with global standards. Sirit's broad portfolio of products and capabilities are easily customized to address new and traditional RFID market applications including Supply Chain & Logistics, Cashless Payment, Access Control, Automatic Vehicle Identification, Inventory Control & Management, Asset Tracking and Product Authentication. For more information, visit www.sirit.com.



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

© 2006 Sirit Inc., all rights reserved. "Sirit", the Sirit Design, "RFID by Sirit", the RFID by Sirit Design and "vision beyond sight" are all trademarks of Sirit Inc. All other trademarks are the property of their respective owners. Specifications subject to change without notice.