



IDentity Flex-Reader



Features:

- **Multi-Channel Reader**
The **IDentity Flex** reader is available in either a 2 or 4 channel version. The 4 channel is capable of controlling up to 4 lanes.
- **Multi-Protocol Reader**
Capable of reading both the **IDentity Flex** and **Title 21** compliant transponders, the **IDentity Flex** is truly a multi-purpose reader.
- **Stand Alone Option**
Utilizing the **IDentity Flex** software, the reader can be loaded with a tag list for stand alone operation.

Overview

SIRIT's IDentity Flex reader system uses Radio Frequency Identification (RFID) technology to read **SIRIT's IDentity Flex** and **Title 21** vehicle mounted transponders. Mounted in a weather resistant NEMA enclosure, it is a self-contained versatile reader capable of stand-alone operation or interfacing with industry standard controllers.

SIRIT's IDentity Flex 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. Each of the four locations are supported by two independent discrete TTL capable inputs, which may be used for such purposes as vehicle detecting loops or light curtains. Additionally, each location is also supported by two discrete outputs which are jumper configurable for either +5VDC or +12VDC current limited outputs. These outputs can be used for such purposes as gate vending control or vehicle stop-and-go light control. Each of the four antennas may be remotely located from the reader system with up to 200 feet of coaxial cable.

Communication

The **IDentity Flex** system is capable of communicating transponder activity to a variety of established host systems, as well as simply reporting transponder identification information 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 outputs for reporting to host systems.

Authorized SIRIT Dealer



Communications / Memory / Electrical specifications

Operating Frequency: 916.25 MHz

Working / Read Range: Set by reader up to 7.7m (25 feet)

Communications: Wiegand, RS-232, RS-422, RS-485

Data Format: Configurable 26 - 34 Bit

Compliance: FCC part 15 and 90
Industry Canada approval # 3637371115A

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 2.5 cm (9.5 x 9 x 1")

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:
IDFLEX-READER-IIe	2 channel reader (including NEMA enclosure and power supply)
IDFLEX-READER-IVe	4 channel reader (including NEMA enclosure and power supply)
IDFLEX-CB-II	2 channel reader only
IDFLEX-CB-IV	4 channel reader only
IDFLEX-READER-PS	Power Supply



SIRIT - Head Office, Canada
 33 City Centre Drive,
 Suite 250, Mississauga, Ontario, Canada
 L5B 2N5
 Tel: (905) 949-4404
 Fax: (905) 949-6320
 Toll Free: (800) 498-8760

SIRIT - US
 1321 Valwood Parkway,
 Suite 620, Carrollton, Texas,
 United States
 75006
 Tel: (972) 243-7208
 Fax: (972) 243-8034
 Toll Free: (877) 492-0101

SIRIT -UK
 Loughborough Technology Center,
 Epinal Way, Loughborough,
 United Kingdom
 LE11 3GE
 Tel: 44 1509 213 141
 Fax: 44 1509 213 191

email: mail@sirit.com
www.sirit.com