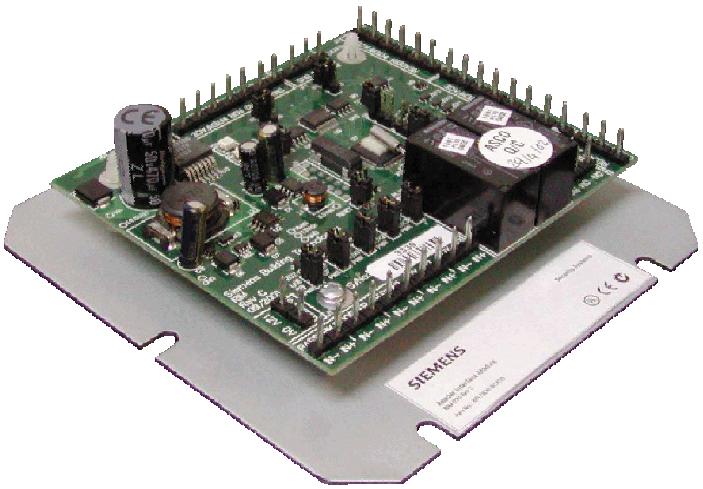
SIEMENS



ADD5100, ADD5110, ADD5160

Dual Reader Interface (DRI)

SiPass®
integrated

- **Interface module for up to two card readers**
- **Support for an entry and exit reader to monitor and control a door**
- **Easy installation**

The DRI provides a local interface between an Advanced Central Controller (ACC) and up to 2 card readers installed as entry and exit readers for a single door. This allows the DRI to receive information regarding the identity of a cardholder requesting entry or exit at a locked door and then send the identification data to the ACC for processing. In addition, the DRI has the intelligence to report the status of a door and unlock or lock the door as required.

When a cardholder presents their access card at an entry or exit reader (connected to a DRI), the DRI interprets the encoded information and sends this data to the ACC. The ACC then checks the validity of the cardholder. If the appropriate permissions have been assigned, the ACC then sends a message back to the DRI allowing it to unlock the door and provide passage.

Features

- Supports all popular reader technologies
- Supports all readers with CerPass reader protocol (e.g. ARxx8x-xx, Arxx3x-xx)
- Support for an entry and exit reader
- Auxiliary 12Vdc power source
- Lock / Door Strike output (relay driven)
- Request-to-Exit input
- 3 auxiliary inputs
- Door contact input
- Auxiliary output (relay driven)
- Supervision of input wires
- Communications status LED
- Activity status LED
- Power status LED
- Host system compatibility for firmware and configuration download via ACC

Description

The DRI controls all aspects of a secure door or barrier that requires entry and exit using up to two card readers. This includes support for an entry reader, exit reader, a door strike to lock and unlock the door, and door contact to detect the door's position.

The DRI allows the on-board inputs to be supervised individually. This ensures, for example, wire tampering is reported to the system by generating an ALARM message when detected.

The DRI provides three programmable auxiliary input connections for the monitoring of system aspects. This may include the monitoring of a cabinet door, duress switch, or PIR motion sensors. The DRI also provides an auxiliary output. This allows a buzzer, strobe light or similar device to be connected and can be configured to trigger when security is breached.

By using the latest flash technology, the DRI is fully updateable, and can be easily programmed via the host system to operate in its intended mode. This leading-edge technology allows the DRI to be re-programmed or re-configured and used in conjunction with other Siemens security products, providing a complete and fully expandable access control solution.

The DRI has been carefully engineered so that it can be easily mounted in any appropriate location. This includes the ability to conveniently install the DRI near the door which it controls, or can just as easily be installed centrally in the same cabinet as the controller.

Power Supply	
Operating Voltage	12-32 VDC +/-20%
Consumption	Max. 25 W
Interface Card Reader	
2 Clock/Data	Clock/Data / Wiegand
or	
1 RS-485	CerPass Reader Protocol
Communication Interfaces	
1 ACC/FLN	RS-485, 2-wire
Inputs	
1 REX- Button	Internally or externally supplied
1 Door Contact	Internally or externally supplied
3 Auxiliary Input	Internally or externally supplied
Outputs	
1 Lock Output	Potential-free, 10 A / 30 VDC, 10A / 250 VAC
1 Auxiliary Output	Potential-free, 10 A / 30 VDC, 10A / 250 VAC
1 Additional Power Output	12 VDC / 1 A
1 Additional Power Output for Reader	12 VDC / 300 mA (Reader interface)
Dimensions (L x W x H)	
ADD5100	125mm x 125mm x 34mm 4.92” x 4.92” 1.34”
ADD5110	150mm x 150mm x 76mm 5.91” x 5.91” 2.99”
ADD5160	180mm x 180mm x 60mm 7.09” x 7.09” x 2.36”
Environmental	
Temperature	Operation: 0 °C to 50 °C / 32°F to 122°F
	Storage: 0 °C to 60 °C / 32°F to 140°F
Humidity	10-90% (non-condensing)

Details for ordering

Type	Part no	Designation	Weight
ADD5100[1]	6FL7820-8CA10	Dual Reader Interface including base plate, 24 V DC	0,2 kg
ADD5110[2]	6FL7820-8CA11	Dual Reader Interface including base plate and plastic case, 24 V DC	0,56 kg
ADD5160	6FL7820-8CA16	Dual Reader Interface module assembled in comfortable plastic housing type “Europe”	0,6 kg

[1] Replaces type designation RIM-010
[2] Replaces type designation RIM-011

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