



ADS5200, ADS5210 Single Reader Interface (SRI)

SiPass®
integrated

- **Interface module for one card reader**
- **Support for an entry reader to monitor and control a door**
- **Easy installation**

The ADS5200 and ADS5210 provide a Clock&Data/Wiegand interface between a card reader and the central controller (AC5100 or AC5200) for one card reader. When a cardholder presents an access card at an entry or exit reader the ADS5200 or ADS5210 reader interface interprets the encoded information and sends this data to the central controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.

Note: Neither the ADS5200 nor the ADS5210 has an RS485 interface for card readers. They support only Clock&Data or Wiegand readers.

Features

- Support popular reader technologies
- Door contact input
- Request-to-exit input
- Two auxiliary inputs
- Lock/door strike output (relay)
- Auxiliary output (open collector)
- Reader power source
- Supervision of input wires
- Communications status LED
- Activity status LED
- Power status LED
- Flash memory updateable
- Ability to perform remote maintenance, significantly reducing overall maintenance times
- Field management tool available
- Host system compatibility for firmware and configuration download via ACC

Description

An SRI controls access via a door or barrier by supporting one entry reader, one request-to-exit device, one door strike (to lock and unlock the door), and one door contact to detect the door position (open/closed).

The onboard inputs of an SRI can be individually supervised, which ensures that any wire tampering generates an alarm message in the system.

An SRI includes two programmable auxiliary input connections for the monitoring of system aspects such as cabinet doors, duress switches or PIR motion sensors.

An SRI also includes an open-collector auxiliary output to enable the connection of a buzzer, strobe light or similar device that triggers when security is breached.

SRIs are fully updateable using the latest flash technology, and they can be easily programmed via the host system to operate in their intended mode. This leading-edge technology makes it possible for the SRI to be re-programmed or re-configured and used in conjunction with other Siemens security products, providing a complete and fully expandable security system.

Technical data

| ADS5200 / ADS5210 | |
|--------------------------|--|
| Interface | FLN connection to controller: RS485 To readers: Clock&Data or Wiegand port |
| Operating voltage | 12 VDC ±20 % |
| Power consumption | 12 W |
| Outputs | 1 x Lock output relay (30 VDC, 2 A) 1x Open-collector output (100 mA, 12 VDC) |
| Inputs | 1 x REX button 1 x Door contact 2 x Auxiliary All inputs unsupervised or supervised |
| Tamper switch | Optional, auxiliary input |
| Firmware | Flash upgradeable |
| Indicators | Power, Activity, Communication |
| Operating temperature | 0 to +50 °C |
| IP rating | ADS5210: IP55 |
| Housing | ADS5210: ABS plastic |
| Dimensions (W x H x D) | ADS5200: 125 x 125 x 34 mm ADS5210: 150 x 150 x 76 mm |
| Approval | ADS5200: CE, UL294, C-Tick ADS5210: CE |

Details for ordering

| Type | Part no. | Designation | Weight |
|----------------------|---------------|---|---------|
| ADS5200 ¹ | 6FL7820-8CA20 | Single reader interface module including base plate | 0.25 kg |
| ADS5210 ² | 6FL7820-8CA21 | Single reader interface module including base plate and plastic housing | 0.55 kg |

¹ Former type designation: RIM-020

² Former type designation: RIM-021

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