Data sheet

SECURITY
MADE IN GERMANY
SINCE 1883

PYPROTECT RS485 Wall-Mounted Reader

Article No.: V85812090

The card reader for correctional facilities is a flexible system designed for a variety of applications. It serves as an attendance tracker, an access reader for passage doors, and for turnstiles with four readers—two per door. It is also suitable as an access reader for detention rooms. The readers store access permissions directly in their internal memory and can be used in both online and standalone modes.



Properties

- Compatible with Mifare DesFire EV1/EV2 card technologies
- Compatible with cards and key fobs
- Vandal-resistant, rugged designs with a combined composite materials/stainless steel front
- Encrypted RS485 bus connection to a controller available
- Configuration and firmware updates via RS485 available for networked systems
- Memory for up to 2,000 transponders for standalone solutions
- 3 status LEDs and 1 buzzer for on-site signaling at the reader
- Assembly in a 60 mm or 70 mm flush-mounted box possible (see assembly instructions)

Functional description

The transponder readers are suitable both for attendance tracking in detention rooms and for local control tasks. Access permissions are stored in the internal memory, allowing the readers to be used flexibly either online or in standalone mode. For centralized administration or online functionality, the card readers must be networked via the RS485 bus using a compatible IP adapter. Various network topologies—such as line, ring, star, or tree—are supported. Communication is AES-encrypted, ensuring a high level of security.

Places of use

- Cell door
- Pass-through door
- Sally Port
- Gate

Technical specifications

Fixing type	screw connection
Dimensions LxWxH	105 x 105 x 24
Outputs	2 x open collector (max. 50 mA)
Transponder technology	Mifare Classic, Mifare, UltraLight, Mifare DesFire EV1/EV2
Maximum reading distance	up to 4 cm with passive transponder cards, up to 3 cm with passive key fobs – (the reading range depends on the quality of the transponders)
Indicators and Signals	3 LEDs, 1 buzzer

