



Standalone IP55 Access Control Reader

Model: ACRDR100

- Interfaces with most electric door locks
- Expand with up to 3 additional readers
- Compatible with fail-safe or fail-secure locks
- Handles up to 500 users & 5 super-users
- Ideal for offices and for small business
- Built-in door chime & tamper relay contact

Product Overview

The ACRDR100 is a weather resistant, ABS plastic, self-contained access control reader designed to directly drive electric door locks. It is capable of accommodating up to 500 user RFID cards/keyfobs and is compatible with both fail-safe and fail-secure locks. The door lock striking timer is programmable for access customisation.

A built-in door chime relay contact is available to operate an external low power door chime. The reader uses a solid-state switch instead of a mechanical relay contact for door lock strikes to improve service life. It also features a tamper switch and unauthorised access lock for vandal protection.

The ACRDR100 has a built-in Data I/O bus, enabling up to 3 additional ACRDR100s to be used in a multi-station access control configuration. The reader comes standard with 2 RFID cards and is also compatible with the entire range of proximity keys and cards.

Specifications		
Access	Maximum User Access	500 (user) / 5 (super-user) ; keyfobs, cards
	Door Lock Control	Time: 1 ~ 60 seconds
	Tamper Switch	50mA / 12VDC (N.C. relay, dry contact)
	Door Chime	1A / 24VDC (N.O. relay, dry contact)
	Solid State Door Lock	3A / 16VDC
	Data I/O Bus	Up to 3 additional readers
	Access Lock Modes	No lock / 60s after 10 attempts / 15 mins after 10 attempts
General	Power Input	12VDC
	Operating Current	60mA (standby) / 80mA (active)
	Ingress Protection	IP55 (dust protected & water ingress resistant)
	Material & Finish	Matte grey ABS plastic / Black gloss front
	Operating Environment	-20°C ~ 70°C / RH95% (max)
	Weight	0.16kg
	Dimensions	119 x 60 x 23mm

Compatible Accessories

- ACKEY100/101/102:** 125KHz RFID cards and keyfobs
- ACRDR100:** Auxiliary access control card reader

Your Watchguard Access Control professional:



Standalone IP55 Access Reader/Keypad

Model: ACRDR102

- Interfaces with most electric door locks
- Compatible with fail-safe or fail-secure locks
- Multi-level authentication using card & code
- Handles up to 1000 user codes/keys/cards
- Expand with up to 3 additional readers
- Add split-decoder for improved security

Product Overview

The ACRDR102 is a weather resistant, ABS plastic, self-contained, dual-level backlit access control reader/keypad designed to directly drive electric door locks. It is capable of accommodating up to 1000 user codes & RFID cards/keyfobs and is compatible with both fail-safe and fail-secure locks. Cards & codes can be combined for multi-level authentication, visitor access can be programmed, daily operational hours can be set and the door lock striking timer is programmable for access customisation.

The ACRDR102 uses a solid-state switch for long service life and has an available relay contact to operate an external low power door chime. It also features a tamper switch and unauthorised access lock for vandal protection.

The ACRDR102 has a bi-directional data I/O bus, enabling use of up to 3 additional readers & split-decoder to be used. It is compatible with all proximity keys & cards (incl. 2 cards).

Specifications		
Access	Maximum User Access	1000 (user) codes, keyfobs, cards / 1 super-user code
	Door Lock Control	Toggle / Time: 1 ~ 99,999 seconds
	Tamper Switch	50mA / 24VDC (N.C. relay, dry contact)
	Door Chime	1A / 24VDC (N.O. relay, dry contact)
	Solid State Door Lock	2A / 24VDC
	Data I/O Bus	Bi-directional: 3 additional readers / 1 split-decoder
General	Access Lock Modes	No lock / 60s after 10 attempts / 15 mins after 10 attempts
	Power Input	12VDC
	Operating Current	60mA (standby) / 100mA (active)
	Ingress Protection	IP55 (dust protected & water ingress resistant)
	Material & Finish	Matte grey ABS plastic / Black gloss front
	Operating Environment	-20°C ~ 70°C / RH95% (max)
Weight	0.16kg	
Dimensions	169 x 46 x 24mm	

Compatible Accessories

- ACKEY100/101/102:** 125KHz RFID cards and keyfobs
- ACRDR100:** Auxiliary access control card reader
- ACRDR101:** Split-decoded access controller

Your Watchguard Access Control professional:



Standalone IP65 Access Reader/Keypad

Model: ACRDR103

- Interfaces with most electric door locks
- Compatible with fail-safe or fail-secure locks
- Multi-level authentication using card & code
- Handles up to 1000 user codes/keys/cards
- Expand with up to 3 additional readers
- Add split-decoder for improved security

Product Overview

The ACRDR103 is a vandal resistant, zinc-alloy die cast, self-contained, dual-level backlit access control reader/keypad designed to directly drive electric door locks. It is capable of accommodating up to 1000 user codes & RFID cards/keyfobs and is compatible with both fail-safe and fail-secure locks. Cards & codes can be combined for multi-level authentication, visitor access can be programmed, daily operational hours can be set and the door lock striking timer is programmable for access customisation.

The ACRDR103 uses a solid-state switch for long service life and has an available relay contact to operate an external low power door chime. It also features a tamper switch and unauthorised access lock for vandal protection.

The ACRDR103 has a bi-directional data I/O bus, enabling use of up to 3 additional readers & split-decoder to be used. It is compatible with all proximity keys & cards (incl. 2 cards).

Specifications		
Access	Maximum User Access	1000 (user) codes, keyfobs, cards / 1 super-user code
	Door Lock Control	Toggle / Time: 1 ~ 99,999 seconds
	Tamper Switch	50mA / 24VDC (N.C. relay, dry contact)
	Door Chime	1A / 24VDC (N.O. relay, dry contact)
	Solid State Door Lock	2A / 24VDC
	Data I/O Bus	Bi-directional: 3 additional readers / 1 split-decoder
	Access Lock Modes	No lock / 60s after 10 attempts / 15 mins after 10 attempts
General	Power Input	12VDC
	Operating Current	60mA (standby) / 100mA (active)
	Ingress Protection	IP65 (dust tight & water ingress resistant)
	Material & Finish	Zinc-alloy die cast body & keys
	Operating Environment	-20°C ~ 70°C / RH95% (max)
Weight	0.47kg	
Dimensions	180 x 46 x 25mm	

Compatible Accessories

ACKEY100/101/102: 125KHz RFID cards and keyfobs

ACRDR100: Auxiliary access control card reader

ACRDR101: Split-decoded access controller

Your Watchguard Access Control professional:

Split-Decoded Access Controller for RFID Systems

Model: ACRDR101



Product Overview

Typical access control keypads contain the switching relay and control wiring within the keypad. With the correct know-how, these keypads can be sabotaged to function by forcefully accessing the control wiring.

In a split system, a decoder installed in a secure location, processes keypad codes and card/keyfob signals as data. This split processing means the door lock is triggered via the data, rather than the switching relay in the keypad. The ACRDR101 is an access controller that allows users to create a higher security, split-decoded keypad access control systems.

The ACRDR101 is capable of decoding RFID card/keyfobs, keypad codes and remote control signals to provide an additional layer of security to standalone keypad access control systems. It features 3 output relays, built-in door chime and tamper alarm, and comes standard with 2 remote controls for output/door chime remote triggering.

The additional control offered by the ACRDR101 is excellent for enhancing the security of the access control system, but it can also interface with other systems. It features control terminals for duress, egress, inter-lock and external alarms. It also features a customisable unauthorised access lock for incorrect unlock attempts.

Specifications		
Access	Input Terminals	Door position, egress, inhibit output 1, door bell, tamper
	Output Terminals	Duress, alarm, key active, inter-lock (100mA max)
	Output Relay 1	5A / 24VDC with adjustable timer (N.C. & N.O. dry contacts)
	Output Relays 2 / 3	1A / 24VDC (N.C. & N.O. dry contacts)
	Output Modes	Start/Stop (toggle), momentary (timed)
	Data I/O Support	Up to 3 readers/keypads in parallel
	Alarm & Tamper	Built-in alarm; 3 minute tamper alarm duration
	Door Chime	Built-in door chime
	Access Lock Modes	After 10 attempts: No lock / 60s / 15 minutes / Duress
General	Power Input	12 ~ 24VDC (auto adjusting)
	Operating Current	65mA (standby) / 100mA (3 relays active)
	Ingress Protection	N/A
	Material & Finish	Matte white plastic
	Operating Environment	-20°C ~ 70°C / RH95% (max)
	Weight	0.25kg
Remote Control	Dimensions	33 x 120 x 87mm
	Operation Frequency	433MHz
	Control Channels	Four: Output 1 / 2 / 3 / Door chime
	Maximum Remotes	Up to 40 remotes
	Control Range	60m (line of sight)
	Receiver Type	Super Heterodyne
Power	12V alkaline battery (not included)	

Compatible Models

- ACRDR102:** Standalone IP55 access control reader/keypad
- ACRDR103:** Standalone IP65 access control reader/keypad

Your Watchguard Access Control professional: