

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