

ACCESS 55

Universal Contactless Smartcard Reader



⇒ Supported Technologies

- * ISO14443A/B+ISO15693
- + Mifare Classic, DESFire EV1
- + Mifare Plus (S,X)
- + IClass (CSN)
- * NFC (initiator)
- * ISO 7816 SAM option
- * Legic Advant (separate version)

⇒ Host-Interface Options

- * Magstripe
- * Wiegand
- * Clock/Data
- * RS485, RS232

⇒ Standalone Operation

- * Card verification
- * Relais and real time clock integrated

⇒ I/O Functions

- * Three-colour LED
- * Beeper
- * Relais 30V/1A
- * Tamper switch

⇒ ConfigurationCard Technology

Project specific configuration of:

- * Adress and access keys of Card Data
- * Data conversion rules
- * Behaviour of I/O functions
- * Multiple configurations in one reader for parallel use of different card types

⇒ Various Mounting Possibilities

- * Single gangbox
- * Compatible to GIRA System55 and Siedle Vario 611

The ACCESS-55 access control reader can be mounted flush into the wall, being nearly invisible if desired. The big variety of cover designs with different shapes, materials and colours even meet the requirements of demanding users and architects.

From the technical side, ACCESS-55 is an extremely powerful and flexible product to handle the complex requirements of contactless smartcard projects. Based on Baltech's ID-engine core modules, the device supports all major 13,56 MHz based card technologies.

Project individual reader configuration settings are loaded by presenting a Configuration Card to the reader after installation. Based on this unique technology, installation, service and spare part supply is straightforwardly and easily handled in the field.

This functionality is the basis for the following scenarios of usage:

⇒ **Wiegand/Magstripe-emulation Reader** with network-like functionality:

LEDs, beeper, tamper switch and relay can be controlled by the reader or the controller or both. Signals which are usually not supported by Wiegand-ACUs, can be provided through event-triggered configuration scripts processed in the reader.

⇒ **Standalone-Operation:**

project individual access codes, configurable user-interface and blacklist loaded through configuration cards.

⇒ **Network Operation:** implementation of customer-specific RS485 multidrop protocols on request.

BALTECH AG
Lilienthalstrasse 27
85399 Hallbergmoos
Germany
e-mail: info@baltech.de
web: www.baltech.de
Phone: +49 (811) 99 88 1-0
Fax: +49 (811) 99 88 1-11

ACCESS 55 - The Smartcard Project Solution

Each reader is shipped from stock with a default configuration as a serial number reader. In this state, nearly every card based on the supported technology can be read. The access control system can be installed and tested without the need to have project specific data and testcards available.

Due to the fact that serial number reading is too insecure for a real-world access control system, most projects rely on programmed card numbers in secured memory areas. This requires to have the readers configured project individually to match with these project cards.

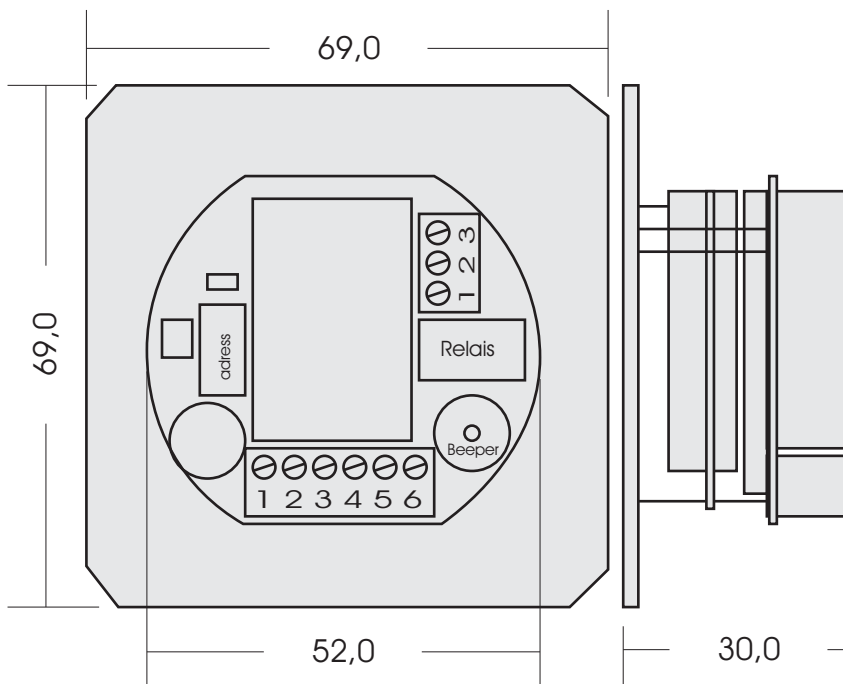
The solution is BALTECH's unique ConfigCard technology. A project individual ConfigCard puts the ACCESS 55 from serial number reading into a project-individual secured operation mode by presenting the ConfigCard to an installed reader.

ConfigCards can be supplied by BALTECH. Based on standardized project requirement forms, ConfigCards can be offered at fixed prices for nearly every project scenario.

BALTECH also offers PC-based tools to let installers or even the end-user create ConfigCards by themselves, which provides the highest security level achievable.

As an additional service, BALTECH offers card analysis and compliance tests according to the ISO14443 and 15693 standards. A functional guarantee can be provided for tested and certified cards to be fully interoperable with ACCESS-55 and other BALTECH products.

ACCESS-55 Dimensions in mm; Tolerances: +/- 2mm



Technical Data

Supply Voltage: 10...30 VDC
 Power Consumption: 2W max.
 Relais: 30V / 1A
 Tamper Switch: magnetic

Read-/Write Distance with ISO-Cards:

Mifare Legic ISO14443A/B: 40 mm max.

ISO15693, my-d: 80 mm max.

Connector Pinning

1 - Vin	
2 W_D0 / CLK	
3 + Vin	
4 LEDin_gn	Relais Connector
5 LEDin_rt	1 initial: closed
6 W_D1 / DATA	2 Common
	3 initial: open

Our aim is your success in using contactless technology.
 Talk to a partner - talk to us.