

# ACCESS 100

## Contactless Access Control Smartcard Reader

### ⇒ Supported Technologies

- \* ISO14443A/B+ISO15693
- + Mifare® Classic&DESFire®EV1
- + Mifare Plus (S,X)
- + Processor Cards
- + IClass®(CSN)
- \* NFC (initiator)
- \* ISO7816 SAM option
- \* LEGIC Advant®(separate version)

### ⇒ Host-Interface Options

- \* Wiegand
- \* RS485
- \* Mag-Emulation
- \* Clock&Data
- \* RS232

### ⇒ Standalone Operation

- \* Card & Log Memory options  
100kByte, 2MByte
- \* integrated RTC
- \* Data Exchange via ConfigCard

### ⇒ I/O Functions

- \* Three-colour LED
- \* Beeper
- \* Relais 30V/1A
- \* Tamper switch (magnetic)
- \* Optocoupler Inputs

### ⇒ ConfigurationCard Technology

*Project specific configuration of:*

- \* Address and access keys of Card Data
- \* Data conversion rules
- \* Behaviour of I/O functions
- \* Multiple configurations in one reader allow simultaneous use of different card technologies



The ACCESS100 access control reader is a multifunctional contactless smartcard reader for Access Control applications. Based on BALTECH's ID-engine core technology, ACCESS100 provides support of the latest smartcard technologies, encryption and security features.

Project individual reader configuration settings are loaded by presenting a secured and project individual ConfigurationCard after installation. Based on this technology, installation, service and spare part supply is straightforward and easily handled in the field.

The device is available with an optional keypad, potted versions for outdoor use and special standalone options such as an integrated real time clock.

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

#### ⇒ Wiegand/MAG/Clock-Data-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

BRP-Net protocol available for RS485 operation. Implementation of customer-specific RS485 multidrop protocols on request.

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# ACCESS 100 - The Smartcard Project Solution

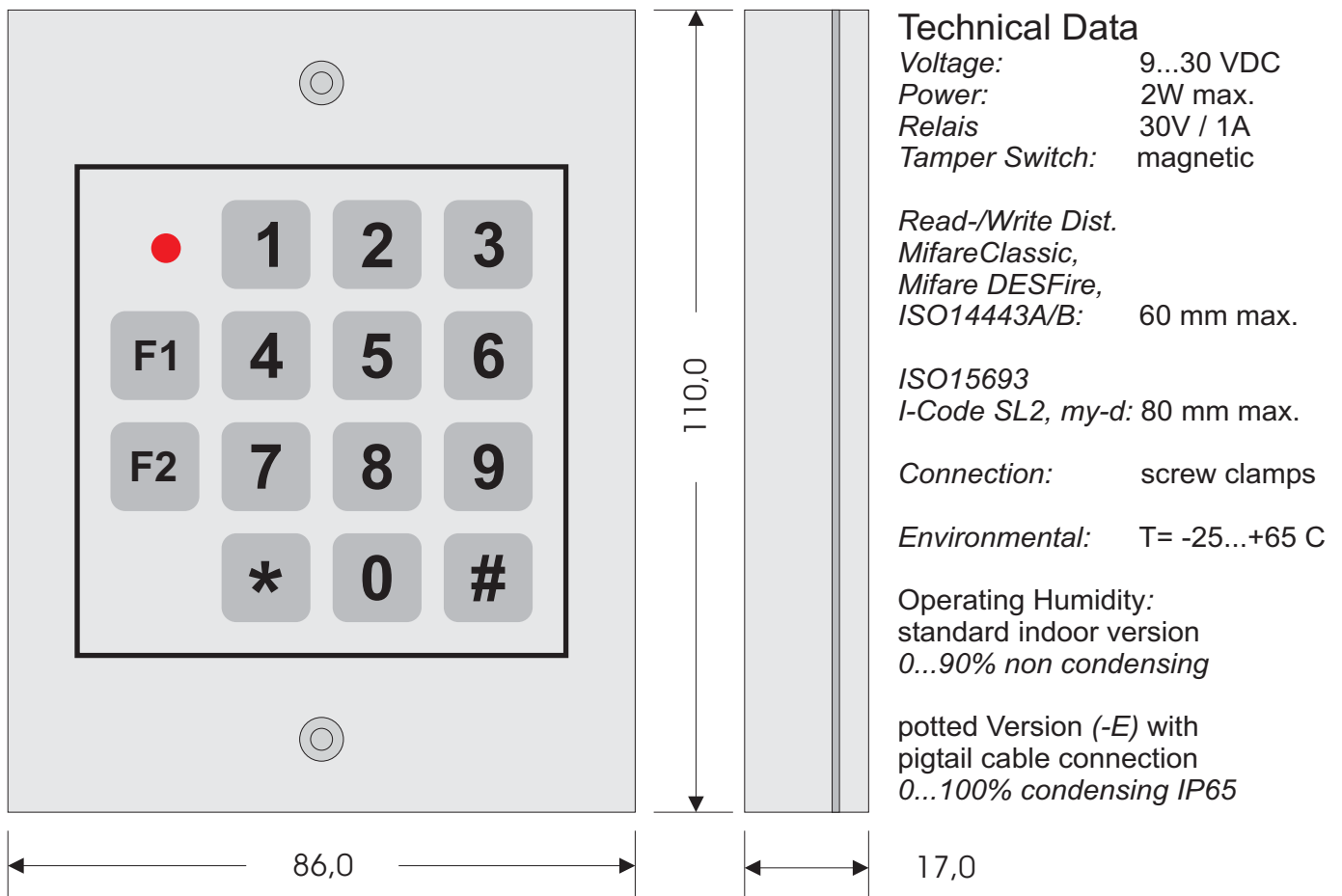
Each reader is shipped from stock with a default configuration as a serial number reader. In this state, nearly every card based on the supported technology can be read. The access control system can be installed and tested without the need to have project specific data and test-cards available.

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 ConfigCard technology. A project individual ConfigCard puts the ACCESS100 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 (ProjectManager) to let installers or the end-user create ConfigCards by their own which provides the highest achievable security level



ACCESS100 Dimensions in mm; Tolerances: +/- 2mm  
Drawing shows optional KEYPAD version

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