

# Idesco® Badicio 1000

## First member of Idesco's Badicio Controller Family



Idesco Badicio 1000 is a door controller that connects up to two access control readers via Wiegand/RS232/Clock&Data interface controlling one door. Data connection from access control readers can be configured to be changed between Wiegand/RS232/Clock&Data before sending it forward to the upper level in an access control system. Properties of these interfaces can be configured by Idesco or via USB configuration interface by customer.

Idesco Badicio 1000 has one free microcontroller (Atmega324P) for customer's own embedded software to make it possible to add some external devices and functionalities to Idesco Badicio 1000. There are 3 free inputs and 3 outputs, I2C connection for external devices and flash memory reserved for customer's embedded software controlled by Atmega324P. Also data frame of RS232 data messages can be changed by embedded software.

As an option IP classified housing is available for Idesco Badicio 1000. For easy installation and reliable functionality in every condition, Idesco Badicio 1000 can be provided with AC/DC converter and battery backup as well.

### Specifications

<b>Voltage</b>	10...30 VDC, optional 220-240V AC
<b>CPU for customer specific embedded sw</b>	ATmega324P, 8-bit AVR RISC based microcontroller
<b>Dimensions</b>	TBD
<b>Battery backup</b>	Optional
<b>IP-classified housing</b>	Optional
<b>Installation method</b>	Screws
<b>Protection Class without optional housing</b>	IP10
<b>Operational temperature range</b>	0...+55 C
<b>Inputs</b>	LED and buzzer inputs in both host ports, door state and exit button, 3 free general inputs
<b>Outputs</b>	LED and buzzer outputs in both reader ports, door state and exit button to the host, FET and relay to door interface, 3 free general outputs
<b>Connectors</b>	Quick-disconnect screw terminal connectors
<b>Interface specifications</b>	USB 1.1 and 2.0 compatible host connection for SW configurations
<b>Reader/host connection</b>	Wiegand/RS232/Clock&Data, configurable
<b>EMC</b>	ETSI EN 301 489-1, ETSI EN 301 489-03, v. 1.4.1
<b>Status LEDs</b>	MCUx2, Power, USB host data, Card data to ports 1-4, Relay, Door State, Exit, Tamper
<b>Security</b>	Optical Tamper switch