

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

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