IDESCO

Scalable identification solutions

Door Control Unit

Enabling wireless connections

The innovative Door Control Unit (DCU) enables fast and easy installations for door environment as it supports wireless connection between devices. The DCU can be used in conjunction of traditional wire connected Access control device network, or it can be used as a part of Idesco's wireless Cardea network. DCU supports connection of one traditional device with configurable wiegand connection. Also several wireless devices can be connected simultaneously to it. The reader is equipped with an external antenna.

Suitable applications for Door Control Unit are Access Control, Building & Home automation, industrial automation, car parking gates, etc.. Door Control Unit is also a cost effective solution for extending a wireless network where distances are too far between doors and the network controller, as it can also operate as a a network router.

Specification

Operating frequency	2,4 GHz (wireless communication)
Voltage	10 ... 30 VDC, 100 … 240 VAC with optional pcb power module
CPU	ATMega324P
Memory	32 MB Flash
Dimensions of housing (hxwxd)	129 x 193 x 40 mm
Material of housing	Plastic
Installation method	Screws
Colour	White
Protection class	IP67
Operational temperature range	-20 °C to +80 °C
Storage temperature range	-25 °C to +100 °C
Inputs	3 x logic level input
Outputs	1 x door control, 2 x led control (reader's), 1x buzzer control (reader's), 1 x FET open drain
RS-232	1
Wiegand	1
Wireless (RF)	2,4 GHz (IEEE 802.15.4)
EMC	ETSI EN 301 489-1, ETSI EN 301 489-03, v. 1.4.1
Led	Tricolour
Security	Cover open Tamper switch
Reach distances	Outdoor 200m (line of sight) Indoor up to 50 m (depending on local circumstances)

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