Idesco Controller Unit

Idesco Controller Unit (ICU) is a unit for connecting and managing both wireless and wired readers. It enables connections to an existing host system as well as connections of readers and other devices from other manufacturers to the same system.

ICU has an important role in a system because it bridges the wireless reader network at the doors to a new or existing access control system, including both wired and wireless types. This means that customers will have only one server to support, one database to manage and one screen to monitor.

ICU can be used as a part of a traditional wire connected Access control device network, or it can be used as a core part of Idesco's wireless Cardea network. Enables also connections between long range RFID readers.

ICU supports IP communication and it can be connected to the host device by the Ethernet. The software base is Linux operating system and it can hold a database for access rights, rules and events. It is suitable for organizations of all sizes, it can control hundreds of door readers across sites for up to 30 000 users. It does not require a real-time connection to the host.

Applications; Access Control, Building & Home automation, industrial automation, car parking gates, etc..

ICU is also a cost effective solution for extending wired networks where a wireless link is a feasible way for enlargement of the wired network.

Specification

Operating frequency	2,4 Ghz (wireless communication)
Voltage	10...25 VDC
CPU	ARM920T
Memory	32 MB SDRAM, 4 MB NOR Flash, 128 MB NAND Flash
Dimensions of housing	129 x 193 x 52 mm
Material of housing	Plastic
Installation method	Screws
Protection class	IP67
Operational temperature range	-30...+60 C
Inputs	3 x logic level input
Outputs	1 x door control, 3 x FET open drain
Interface specifications	
	Ethernet (RJ45)
	Wireless 2,4 GHz (IEEE 802.15.4)
Reach distances	
Outdoor	200m (line of sight)
Indoor	up to 50 m (depending on local circumstances)
EMC	ETSI EN 301 489-1, ETSI EN 301 489-03, v. 1.4.1
Led	Tricolor
Security	Cover open Tamper switch