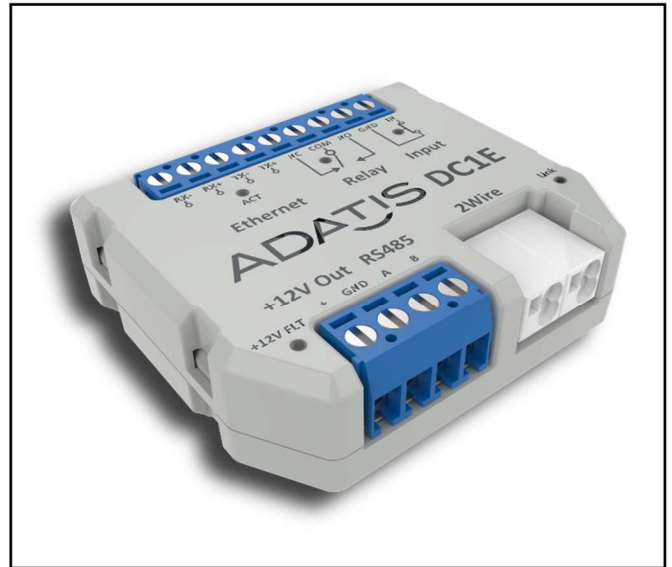# DoorController DC1E

Description

- ¬ Connects to any Nessum Wire (IEEE1901) bus, e.g. as provided by the 2Wire Converter

- ¬ Powered from the Nessum Wire bus, no separate power supply required; power supply via the Nessum interface is indicated by LED; Nessum wiring is polarity-free

- ¬ Up to 50 devices can be supported on a single Nessum Wire bus (actual number of devices depends on power drawn from the 12VDC output)

- ¬ Fast-Ethernet 100BASE-TX with internal transformer (MDI interface): RX + TX pair; Ethernet link and activity indicated by LED

- ¬ 1 relay form C: normally open/close and common; 0.6 A at 125 VAC, 2 A at 30 VDC; relay operation is signaled by LED

- ¬ Relay can be used for opening door locks or operating motor locks

- ¬ 1 trigger input, biased high: pull to ground for trigger; trigger input operation is signaled by LED

- ¬ Trigger input can be used for door opener function, door status indication or external sensors

- ¬ Serial interface RS485 half-duplex, e.g. for connection of card readers

- ¬ 12VDC, 1.5A max. power output for powering external devices

- ¬ Housing fits inside a standard German flush mount box, e.g. behind a switch

Ethernet, RS485, Relay, Input and Power over 2Wire
via any pair of (voltage-free) wires

2-WIRE Interface

- Data transfer speed: max. 100 Mbit/s
- Distance: max. 1000 m
- Pluggable terminal block (KNX-style) for daisy chaining of 2Wire bus
- Privacy push button on the bottom for security

Interfaces

- Fast Ethernet (100BASE-TX) MDI interface; RX/TX pairs, internal transformer
- 1x relay form C: 0.6 A at 125 VAC, 2 A at 30 VDC
- 1x trigger input, biased high
- RS485 half duplex
- 12VDC 1.5A max. power output

LED Indicators

- Nessum Wire Link/Activity
- Ethernet Link/Activity
- 1x relay operation
- 1x trigger status
- 12VDC power fault

Environmental Conditions

- Temperature Range: -20°C ~ +50°C
- Humidity: 5% ~ 95%, non-condensing

Compliance

- Nessum Wire (IEEE1901)
- CE compliant
- EN55022, EN61000-3-2, EN61000-3-3, EN55024

Ordering

PRODUCT TYPE	ORDER CODE
DoorController DC1E	2WDC1E

DOOR CONTROLLER

up to 50 DC1E units

2Wire Converter PD Box

PoE-Switch

47

40.75

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