

Standalone Door Controller

DC2020 is a standalone door controller. It operates without connecting to host computer. User card is added to the internal flash memory of DC2020 using Supervisor Card. The Supervisor Card can also be changed. The internal memory can be erased when needed. When a valid user card is read, the on-board door open relay will be turned on to allow access to the protected area.



Fig. 1 DC2020 door controller board.

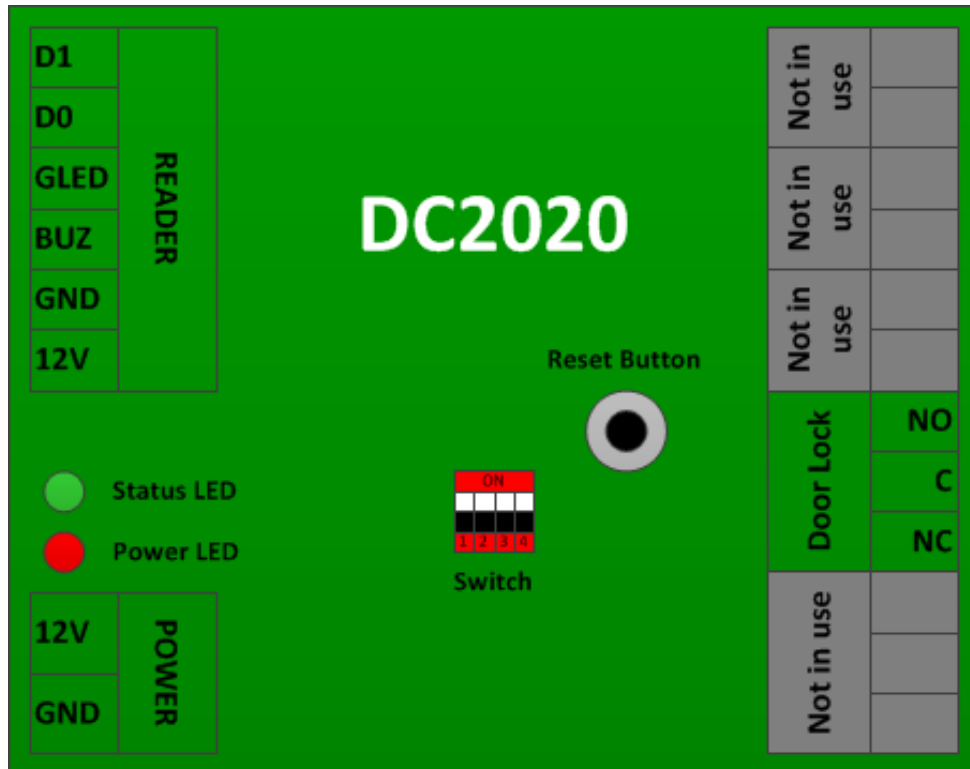
Technical Specification

- Supports one supervisor card.
- Can store up to 20 user cards
- One relay to control door lock
- Maximum 100,000 times supervisor card program cycle¹
- Maximum 100,000 times user card program cycle²
- Maximum 100,000 times memory erase cycle³
- Accepts Wiegand data from 26 to 130 bits.
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Note:

- 1. The maximum cycles for supervisor card program (1) and memory erase (3) is 100,000 times.*
- 2. The maximum cycles for user card program (2) and memory erase (3) is 100,000 times.*
- 3. See notes 1 and 2.*

1. Boar Layout



1.1 Reader Port

Port Name	Description
D1	Wiegand reader D1
D0	Wiegand reader D0
GLED	Wiegand reader green led
BUZ	Wiegand reader beeper
GND	Ground
12V	12V output to reader

1.2 Power Port

Port Name	Description
12V	12V Power input
GND	Power ground

1.3 Door Lock Port

Port Name	Description
NO	Normally open
C	Common
NC	Normally close