

Secure Relay Controller for Virdi Terminals

BLC-015



User Manual

Please read these instructions carefully before operating the unit and keep for further reference. All the examples and pictures used here are for reference only. The contents of this manual are subject to change without notice.

The BLC-015 is a secure relay controller for Viridi terminals with battery monitoring and protection circuit.

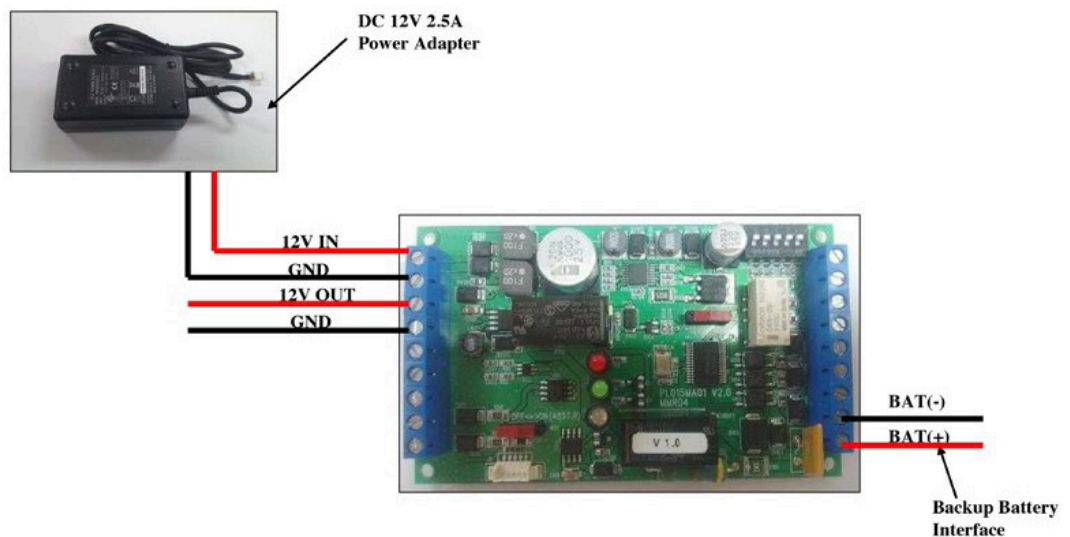
Features

- Built-iLock controller compatible with access control terminals
- Backup battery is available in case of a power outage
- Error detection – able to detect when a Network error occurs
- Status indicator – 3-colour high luminance LED
- Communication : RS485 / Wiegand
- In / Out : Door Access, RS485, Wiegand, Battery In / Out

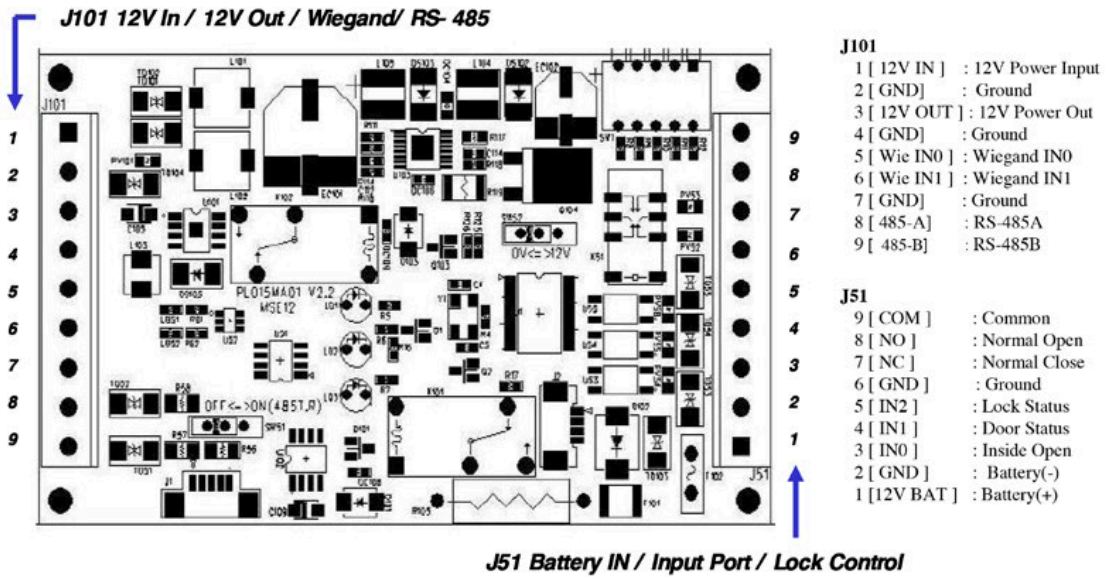
Specifications

Status Indicator	3 colour LED
Sensor Input	3 port
Relay Output	1 port
Applicable Locks	DC12V, Max. current 1A
Battery Life	Lasts up to 2hrs during a power outage
Power	DC12V
Power Consumption	80 ± 15mA
Dimensions	260 × 200 × 60 mm

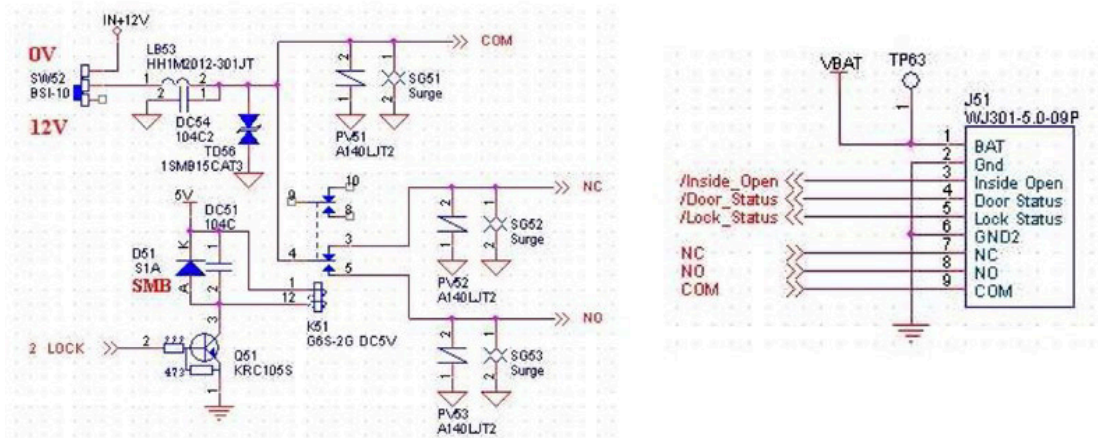
Power Connection



Board Feature & Connector Description

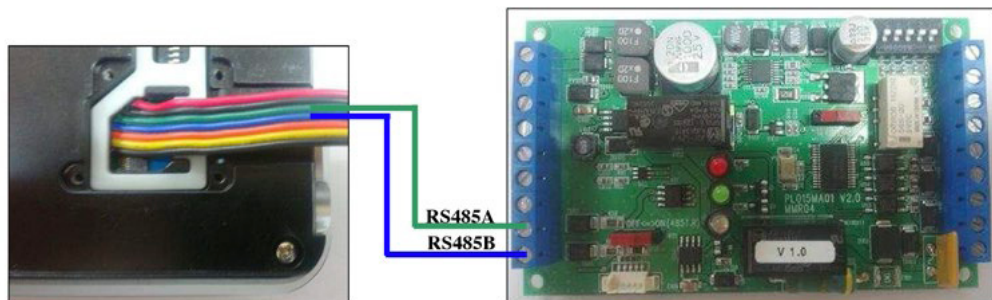


Schematic for Door Lock Interface



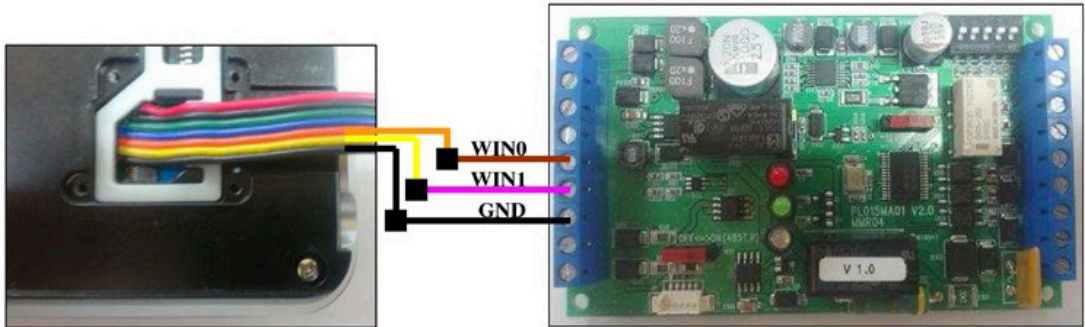
Connecting RS-485 Interface

RS-485 Interface



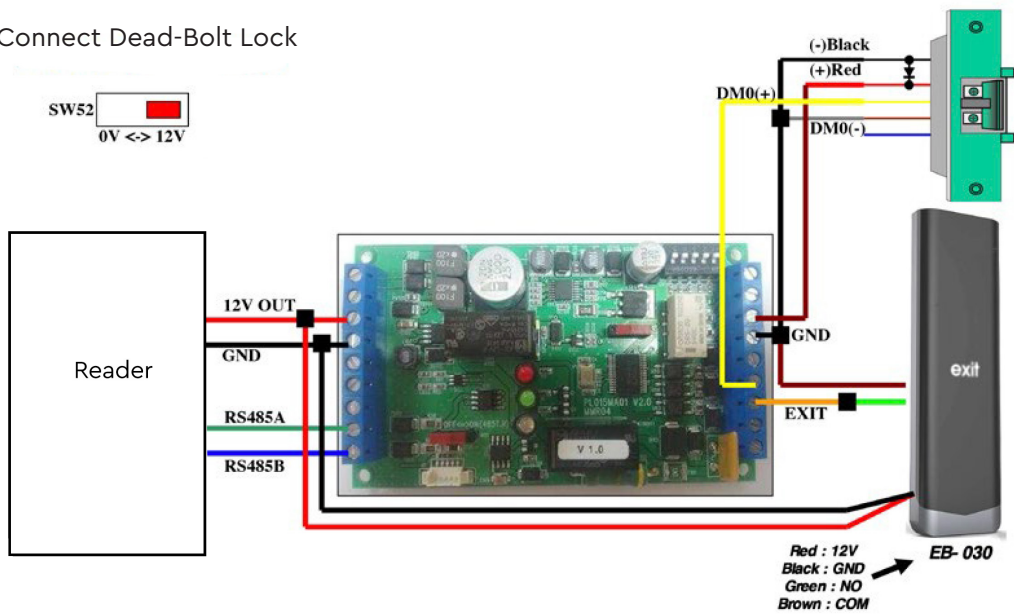
Connecting Wiegand Interface

Wiegand Interface



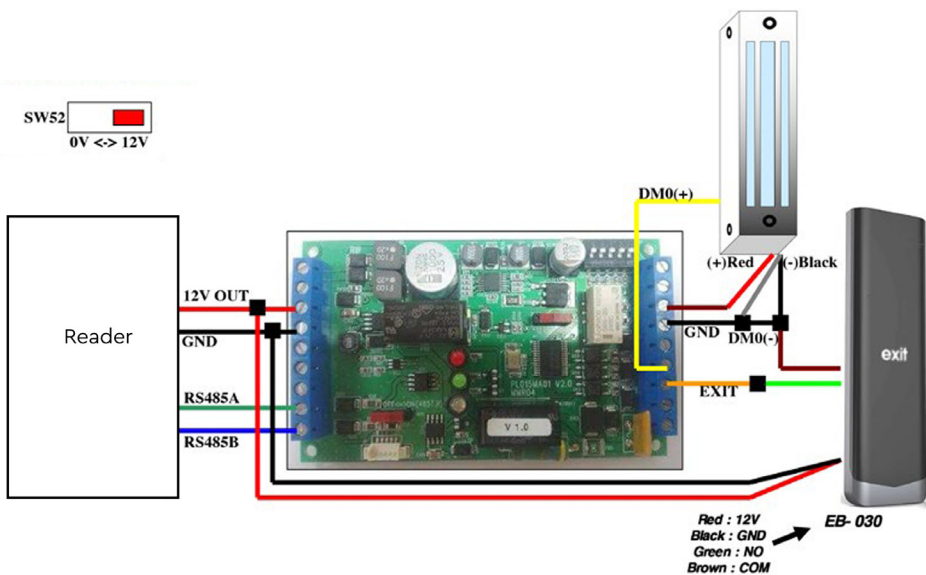
Connecting Dead-Bolt Type Door Lock (Fail Safe)

Connect Dead-Bolt Lock



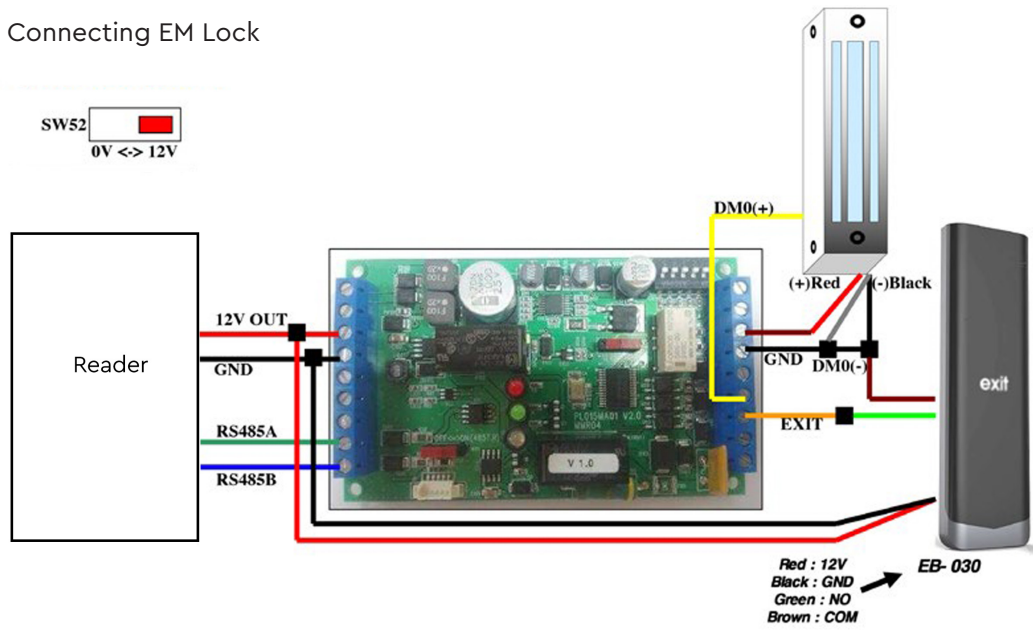
Connecting Strike Type Door Lock (Fail Safe)

Connecting Strike Type Lock



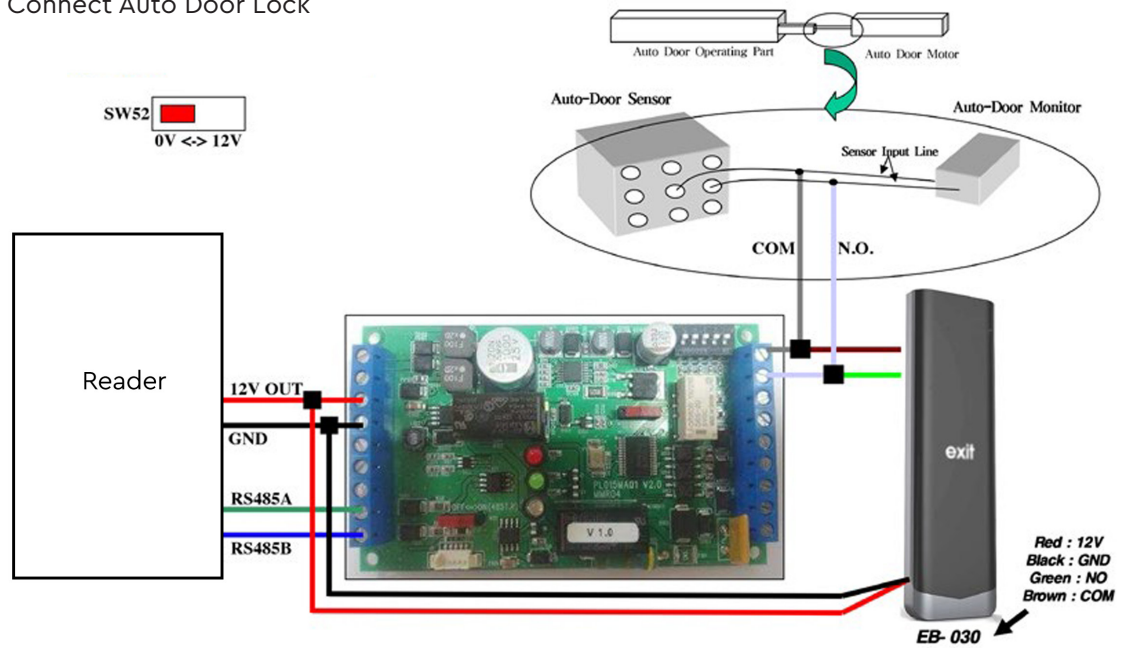
Connecting EM Type Door Lock (Fail Safe)

Connecting EM Lock



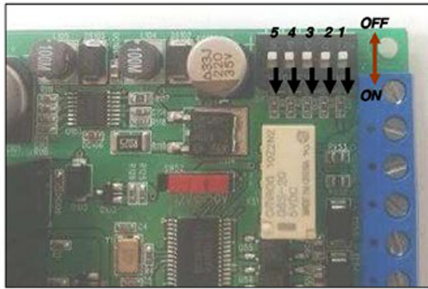
Connecting Auto-Door (Contact Control)

Connect Auto Door Lock



RS-485 ID & Open Duration Setting

SW1 Switch Feature



RS-485 ID Setting

RS485 ID	SW1	
	1	2
0	OFF	OFF
1	OFF	ON
2	ON	OFF
3	ON	ON

Lock Open Duration Setting

Open Time (sec)	SW1		
	3	4	5
0.2	OFF	OFF	OFF
0.5	OFF	OFF	ON
1	OFF	ON	OFF
1.5	OFF	ON	ON
2	ON	OFF	OFF
3	ON	OFF	ON
4	ON	ON	OFF
5	ON	ON	ON

Sales +44(0)1707 330541

Enquiries sales@genieproducts.co.uk

Website www.genieproducts.co.uk

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