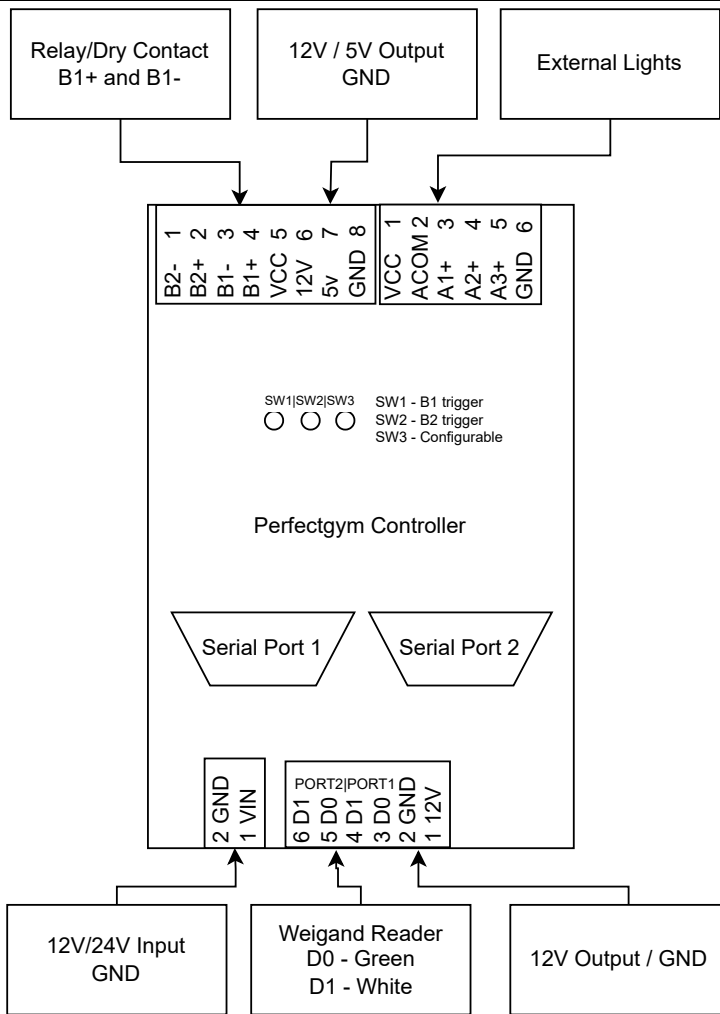




Weigand Reader

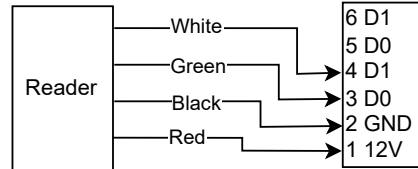
Weigand Reader

PORT2 PORT1
6 D1
5 D0
4 D1
3 D0
2 GND
1 12V

- 1 - 12V Output
- 2 - GND
- 3 - D0 Reader 1
- 4 - D1 Reader 1
- 5 - D0 Reader 2
- 6 - D1 Reader 2

Note: Shielded Cable must be connected to GND

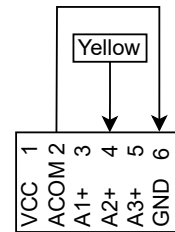
Wiring Example



Weigand Buzzer

The Weigand reader has a buzzer on the yellow wire, to wire this in do the following

Yellow > A2+
ACOM > GND



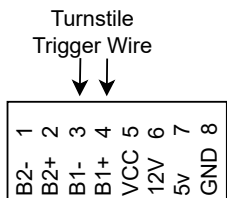
Door Wiring

1	2	3	4	5	6	7	8
B2-	B2+	B1-	B1+	VCC	12V	5v	GND

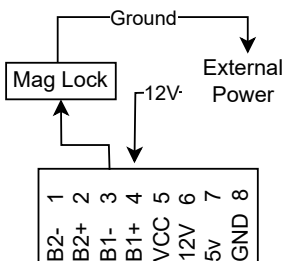
- 1 - Door Relay 2 - Not Used
- 2 - Door Relay 2 - Not Used
- 3 - Door Relay 1
- 4 - Door Relay 1
- 5 - VCC - Not Used
- 6 - 12V - Regulated 12V supply
- 7 - 5v Regulated 5V supply
- 8 - GND

Examples

Turnstile - Not polarised - Configured Normally Open (default)

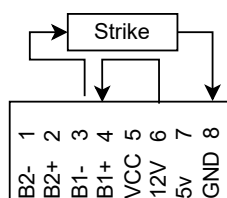


Mag Lock - Polarised - Configured Normally Open (default)



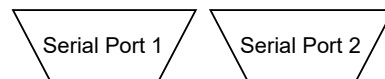
Door Strike - Not polarised - Configured Normally Open (default) or Normally Closed

12V > B1+
B1- > Strike
Strike > GND



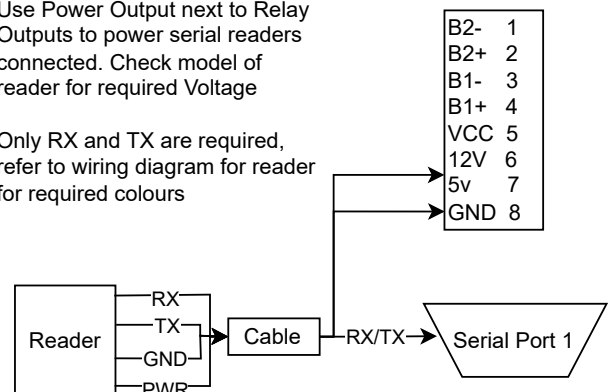
Serial Reader

Both Ports are connected to the same door - plug into either Port



Use Power Output next to Relay Outputs to power serial readers connected. Check model of reader for required Voltage

Only RX and TX are required, refer to wiring diagram for reader for required colours



Note: use controller to power the reader. make sure that the reader is connected to controller GND

Links Swap

PG Controller

Door Relay

1	2	3	4	5	6	7	8
B2-	B2+	B1-	B1+	VCC	12V	5v	GND

- 1 - Door Relay 2 - Not Used
- 2 - Door Relay 2 - Not Used
- 3 - Door Relay 1
- 4 - Door Relay 1
- 5 - VCC - Not Used
- 6 - 12V - Regulated 12V supply
- 7 - 5v Regulated 5V supply
- 8 - GND

PWR IN

2	1
GND	VIN

- 2 - Ground
- 1 - VIN - 12v to 24v

Links Controller

8	PWR A
7	PWR B
6	RLY 1 NO
5	RLY 1 C
4	RLY 1 NC
3	RLY 1 NO
2	RLY 1 C
1	RLY 1 NC

- 8 - 12V
- 7 - Ground
- 6 - Relay 1 Normally Open
- 5 - Relay 1 Common
- 4 - Relay 1 Normally Closed
- 3 - Relay 2 Normally Open
- 2 - Relay 2 Common
- 1 - Relay 2 Normally Closed

Links Controller (Pin Number) → PG Controller (Pin Number)

8 → 1 - VIN

7 → 2 - GND

6/4/3/1 (Any of these) → 3 - Door 1 Relay B1-

5/3 (Any of these) → 4 - Door 1 Relay B1+

Indicator Lights

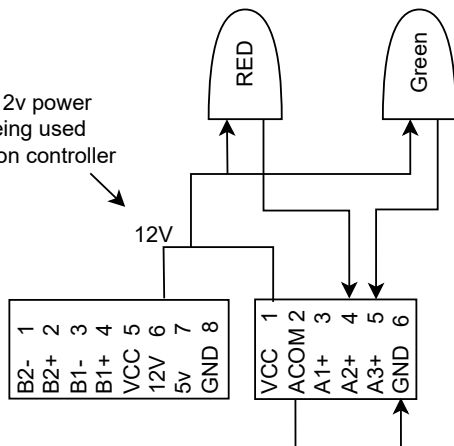
1	2	3	4	5	6
VCC	ACOM	A1+	A2+	A3+	GND

- 1 - VCC - Outputs VIN Voltage
- 2 - ACOM - Light Common Negative
- 3 - A1+ Yellow Light Positive
- 4 - A2+ Red Light Positive
- 5 - A3+ Green Light Positive
- 6 - GND - Ground

Example Wiring

12V LED indicator lights

Use VCC if 12v power supply is being used
If not use 12v on controller



PG Controller Wiring Guide Rev 1.0