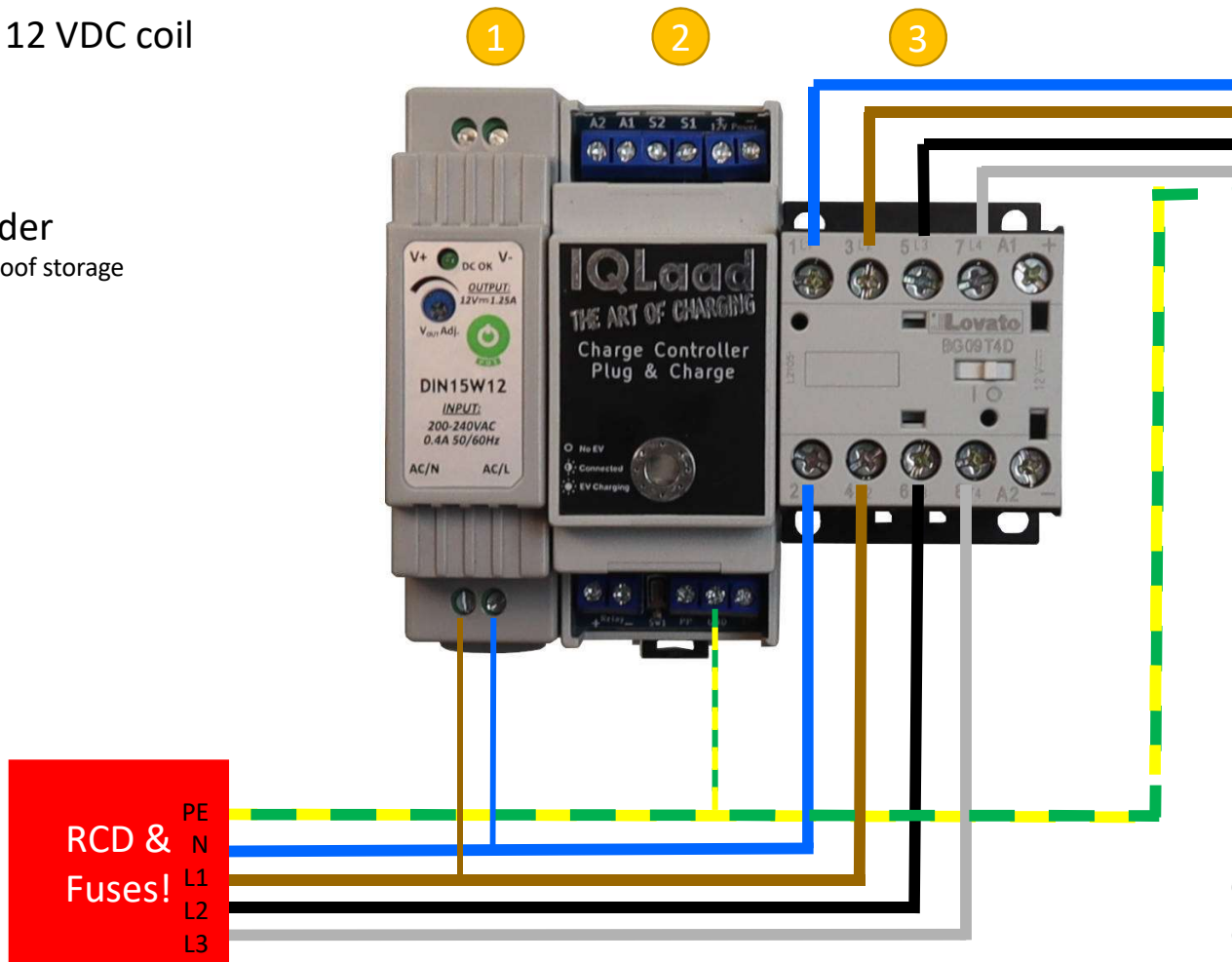


- 1 Power Supply 12VDC
- 2 Charge Controller
- 3 Contactor - 12 VDC coil
- 4 Type 2 Plug
- 4a Plug holder
For water proof storage



Charge Controller Plug & Charge
Connection Diagram

www.iqlaad.com

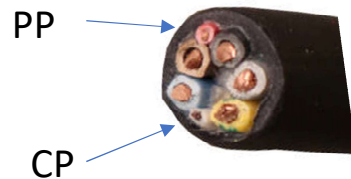
v2.0

Connection Diagram: Signal wires

- 1 Power Supply 12VDC
- 2 Charge Controller
- 3 Contactor - 12 VDC coil
- 4 Type 2 Plug
- 4a Plug holder
For water proof storage

Note
3rd party charge cable might not have PP wire. Use appropriate resistor Between Earth and PP.

The CP (white) is located between Earth And Neutral wire



CP – Control Pilot

PP – Proximity Pilot



Charge Controller Plug & Charge
Connection Diagram

www.iqlaad.com

v1.9



To locking mechanism

S2 – Position Indicator Lock
S1 – Position Indicator Lock
A1 – GND
A2 – +12 Volt (Switched)

From Power Supply

- GND
+ 12 VDC



To Relay

+ 12 VDC
- GND (Switched)

To Type 2 socket

PP – Proximity Pilot
GND – Protected Earth (PE)
CP – Communication Pilot

**Charge Controller Plug & Charge
Connections**

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v1.9

Status LED

Off: State A – No EV connected

Green:

Slow Blinking – State B – connected

Constant – State C – Charging

Orange:

Constant – State C – Charging but not locked (Mode 3 simplified)

Red:

Fast Blinking – Status E – Error

LED during startup only:

RED-ORANGE-GREEN

Followed by ampère setting (SW2) :

Blinking 0.5 seconds

Red (R) : 10 Amp

ORANGE (O) : 5 Amp

GREEN (G) : 1 Amp

Example: 13 Amp is Red, Green, Green, Green (R1:G3)

Press Reset (SW1) to see again



Dip Switch (SW2)

SW 2	1	2	3	4	Max. Ampère	PWM Duty Cycle	LED at startup
0	0	0	0	0	6	10,0	O1:G1
1	0	0	0	1	8	13,3	O1:G3
2	0	0	1	0	10	16,7	R1
3	0	0	1	1	13	21,7	R1:G3
4	0	1	0	0	16	26,7	R1:O1:G1
5	0	1	0	1	20	33,3	R2
6	0	1	1	0	24	40,0	R2:G4
7	0	1	1	1	32	53,3	R3:G2

Note: SW2.1 is reserved for future use

LED

OFF: No Power
ON: Power OK

Reset (SW1)

Use after change Dip Switch
and to see ampère setting



Charge Controller Plug & Charge
LEDs and Switches

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Connecting optional RGB Led Strip

IQLaad
THE ART OF CHARGING

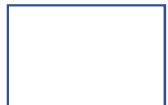
Black: '+ 12V'
Green: '- Power'
Red: 'A1'
Blue: '- Relay'



Standby (No EV detected)
Status A



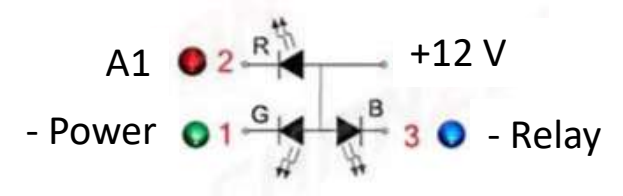
Ready with charging
EV doesn't ask for power
Status B



EV is being charged
Status C



12 volt led strip
Common Anode



Charge Controller Plug & Charge

LED strip

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v1.9

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