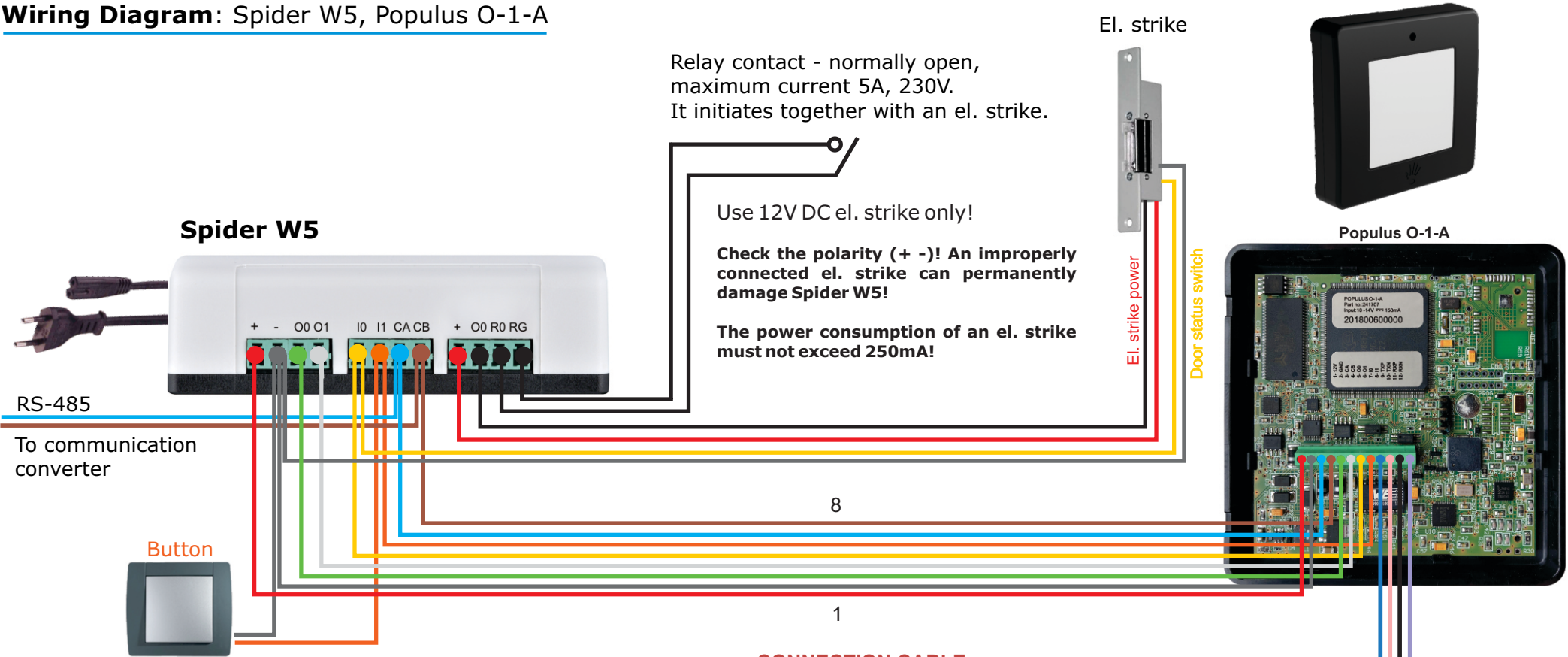


Wiring Diagram: Spider W5, Populus O-1-A



Connect the Populus to the Spider W5 power supply as shown in the diagram with a standard UTP cable.

For distances greater than 25m, use one twisted pair of UTP cable for each pole (+ and -).

The cable length between the power supply and the Populus should not exceed 50m. Connect the Spider W5 to the mains power 110-230V AC with the enclosed power cord.

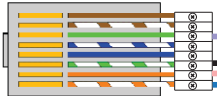
CONNECTION CABLE

Wire	Colour	Populus connector	Spider Connector
1	Red	UIN - 12V DC	+
2	Gray	GND - Ground	-
3	Light blue	CA - RS-485 A line	CA
4	Brown	CB - RS-485 B line	CB
5	Green	O0 - El. strike output	O0
6	White	O1 - Alarm output (NC)	O1
7	Yellow	I0 - Door status switch input	I0
8	Orange	I1 - Push button input	I1

LAN

Wire	Colour	Description	Connector
9	Dark blue	ETH TXP	Rj45 PIN 1
10	Pink	ETH TXN	Rj45 PIN 2
11	Black	ETH RXP	Rj45 PIN 3
12	Purple	ETH RXN	Rj45 PIN 6

Pin 8 Rj45 plug



Pin 1
Clip is pointed away from you.

To LAN

If you connect the Populus directly to the LAN, use the Spider only as a power supply. Populus IP address is written on the lable on the back of the Populus.

