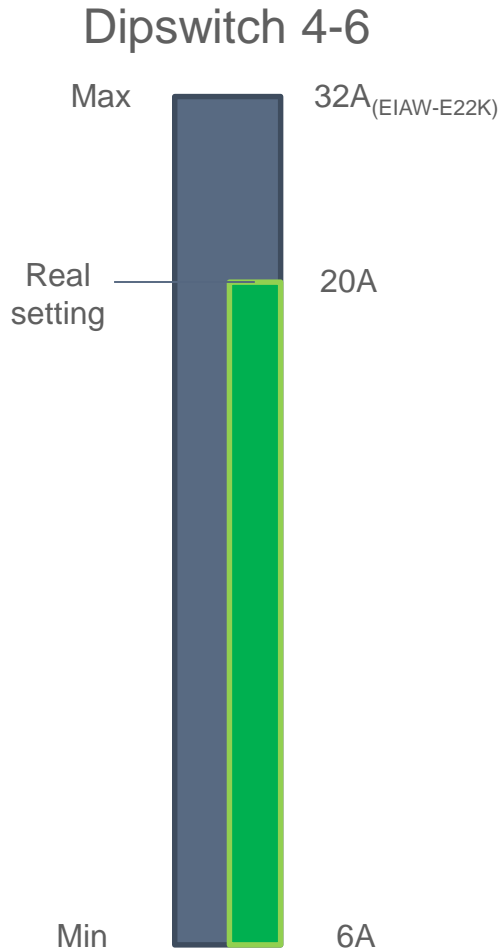
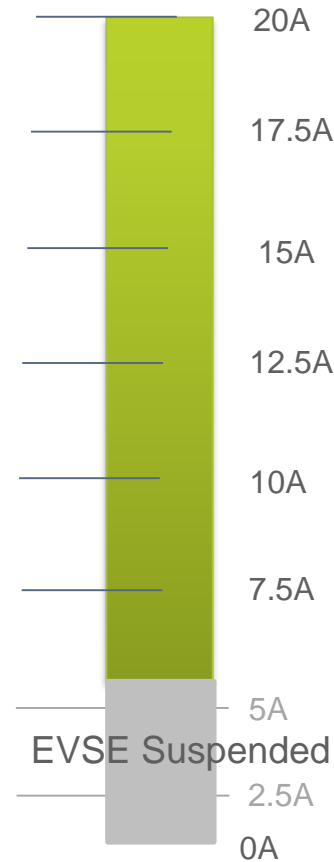




Active power control setting logic

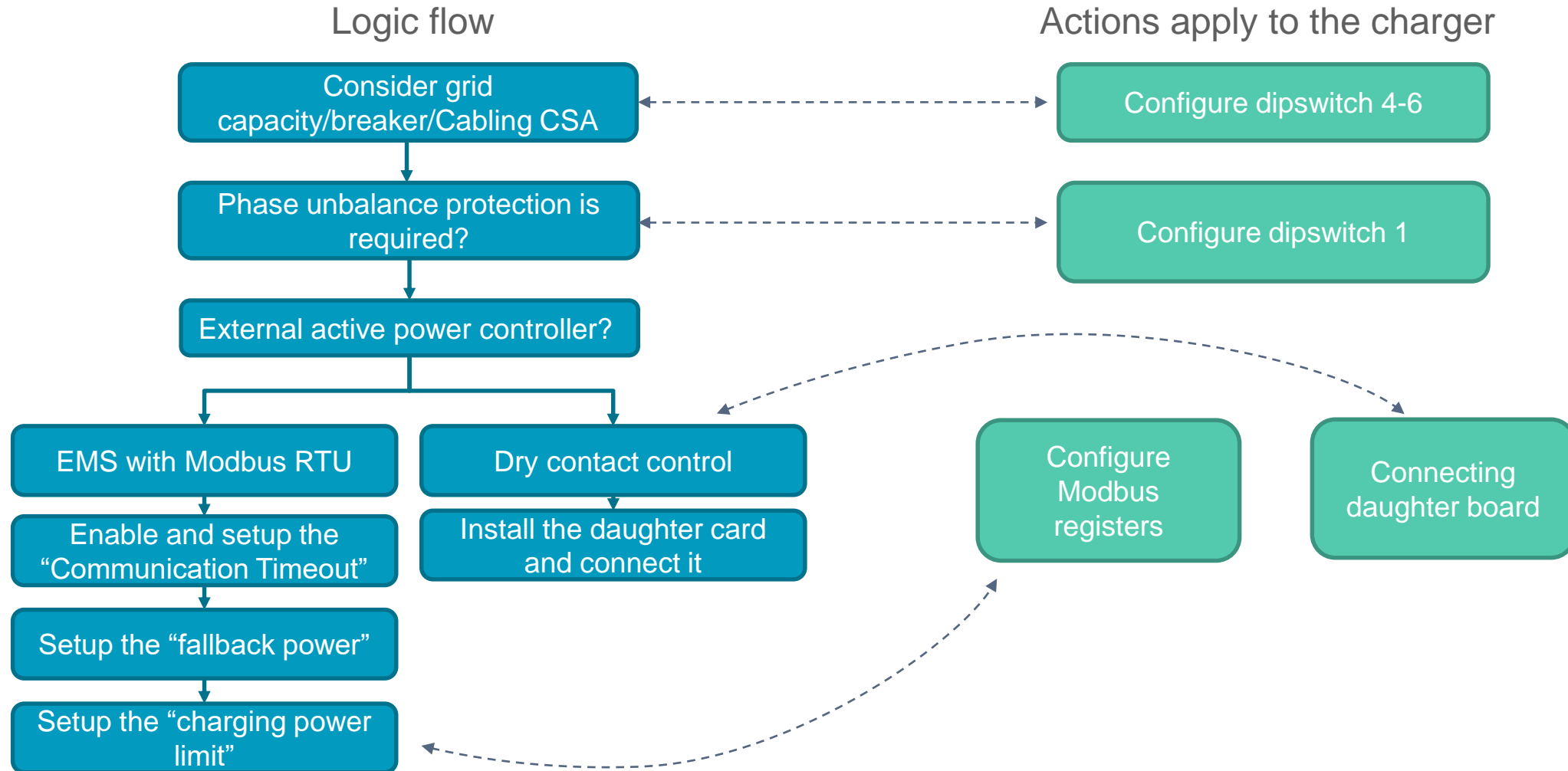


External Digital Input / Dry contact control



EMS controller via Modbus RTU



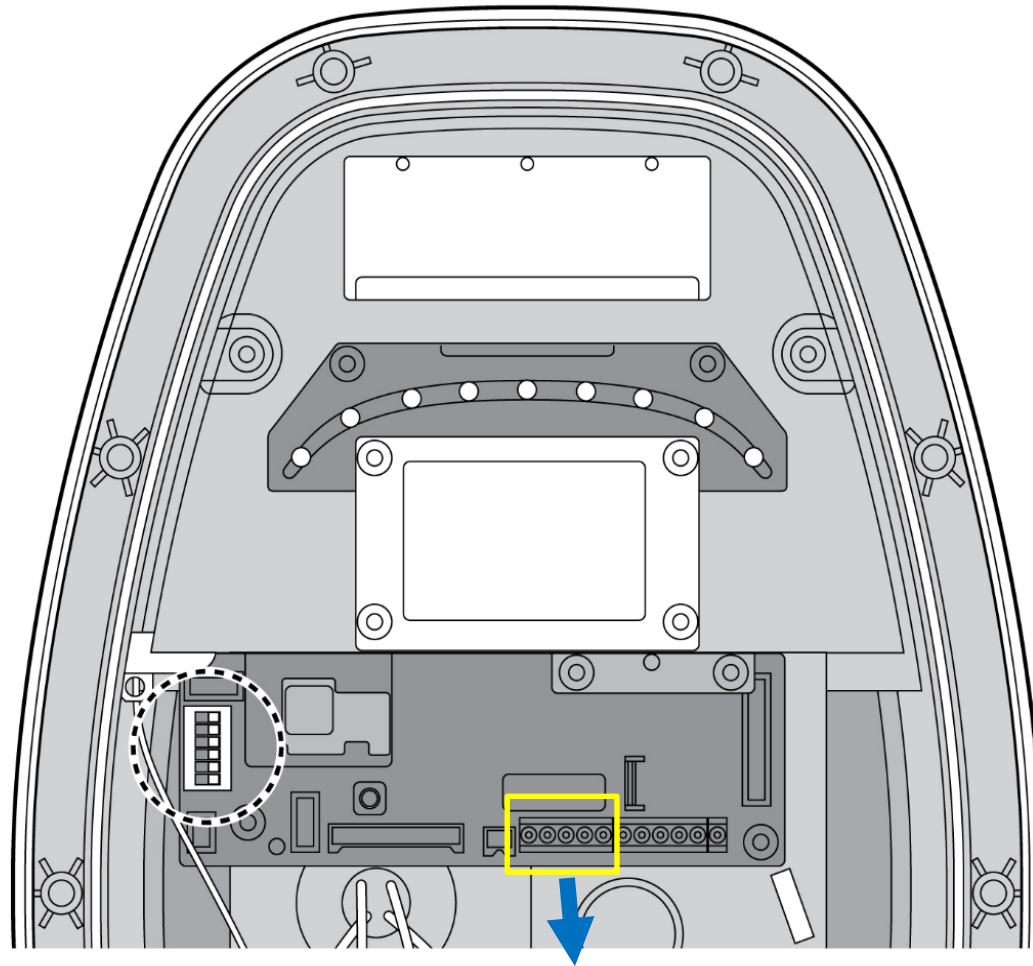


Active power control – 2nd part

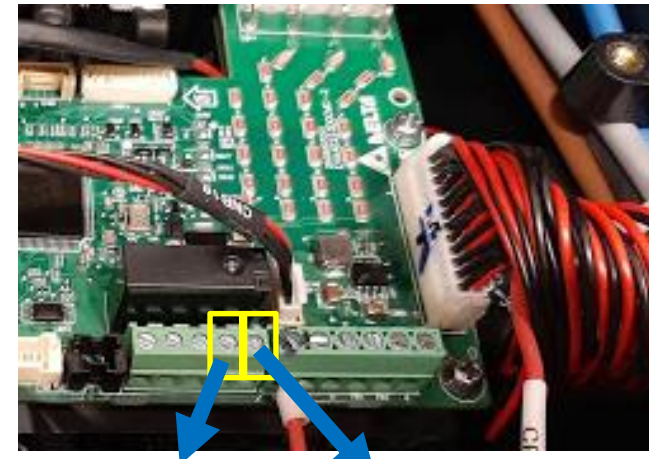
Modbus RTU

ACMAX can act as a Modbus slave device, taking the control command from external master EMS controller

- Baudrate : 115200
- Parity: None
- Stop bits: 1
- Word Length: 8
- Slave ID : 1



CNB9



Pin 4
RS485 D+

Pin 5
RS485 D-

EV Charger

Read Registers

Readable via READ INPUT REGISTER – CODE 0x04

Register	Parameter	Description	Unit/Format	Data Type
100	State	Condition of the EV Charger: 0: Not ready 1: Operational 10: Faulted 255: Charger not responding	enum	UINT16
102	EVSE Count	Number of EVSEs		UINT16
110-129	Serial Number	Serial Number of the EV Charger	ASCII	STRING20
130-149	Model	Charge Point Model	ASCII	STRING20

Write Registers

Writable via WRITE HOLDING REGISTER – CODE 0x10

Register	Parameter	Description	Unit/Format	Data Type
201	Communication Timeout ENABLE	0: Disabled 1: Enabled	enum	UINT16
202	Communication Timeout	0: Deactivate Time Out 1..600 Timeout in seconds If the communication timeout is ENABLED and the charger receives no CHARGING POWER LIMIT for more than COMMUNICATION TIMEOUT seconds, the charger will set CHARGING POWER LIMIT to FALLBACK POWER	s	UINT16
203	Fallback Power	Defines the default charging power in case of communication time out.	W	UINT32

EVSE

The following Register tables are defined as repeating blocks for each single EVSE. The address handling is done by offsets.

EVSE ID	OFFSET (decimal)
1	1000

Read Registers

Readable via READ INPUT REGISTER – CODE 0x04

Register OFFSET+	Parameter	Description	Unit/Format	Data Type
000	State	Condition of the EVSE: 0: Unavailable 1: Available 2: Occupied 3: Preparing 4: Charging 5: Finishing 6: Suspended EV 7: Suspended EVSE 8: Not ready 9: Faulted	enum	UINT16
005	Charging Power	Current Charging Power	W	UINT32

Write Registers

Register OFFSET+	Parameter	Description	Unit/Format	Data Type
600	Charging Power Limit	Charging Power Limit Control Register	W	UINT32