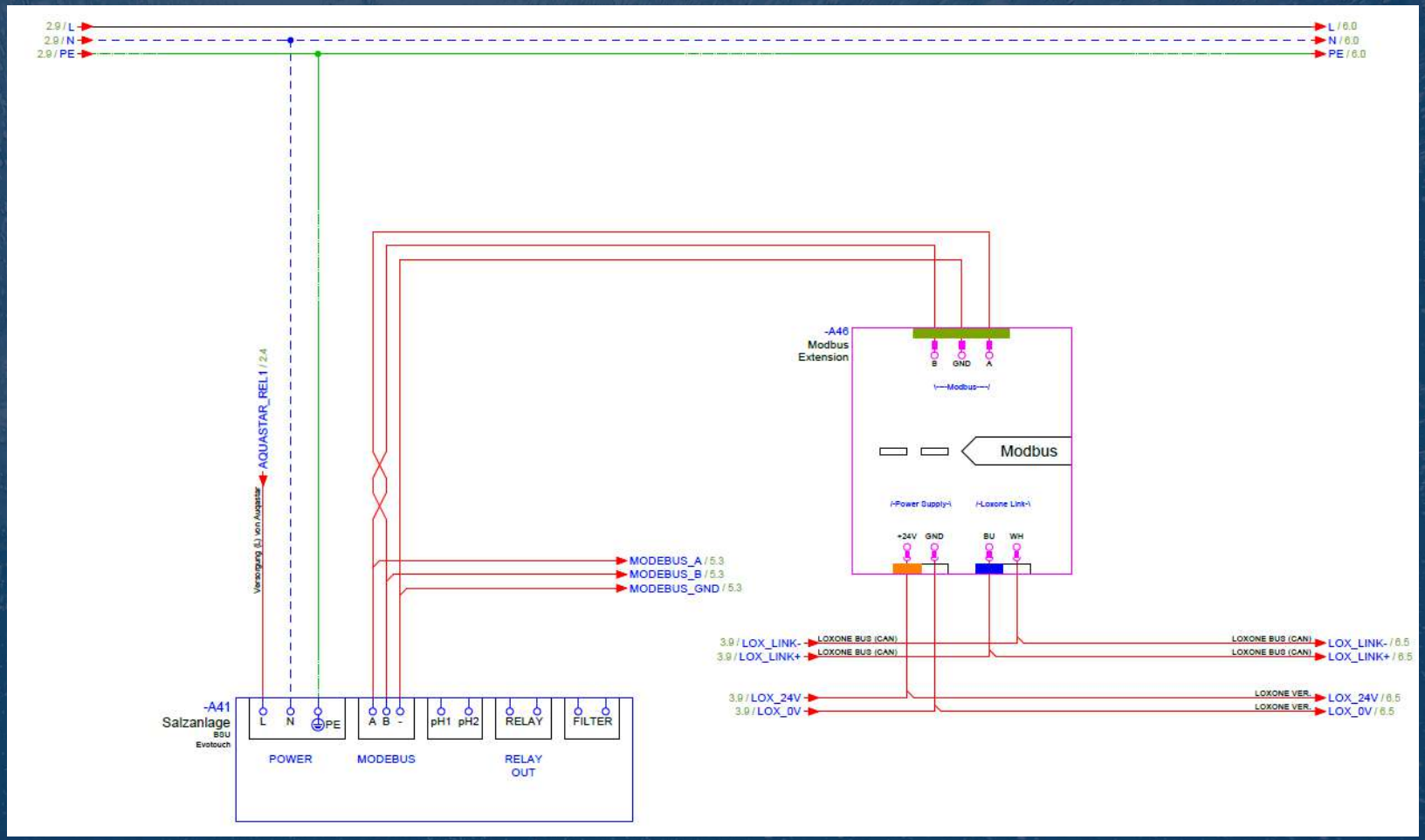
PERAQUA

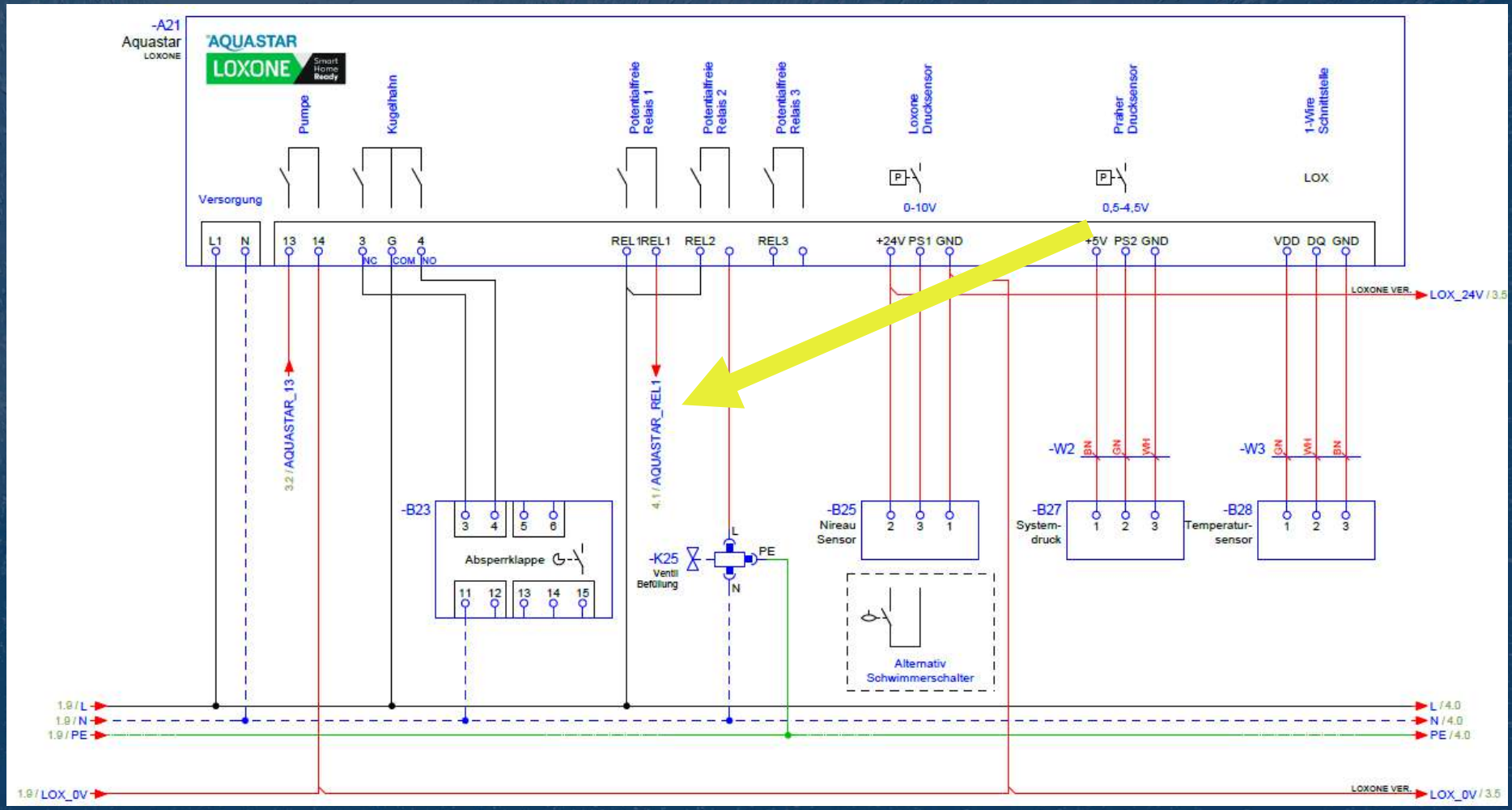
Salzanlage SALT-MODBUS

- Farb-Touch Screen
- PH- und Redox Regelung
- Indirekte Füllstandsüberwachung ph-Minus
- Ein programmierbares Relais
- Kommunikation über MODBUS RTU

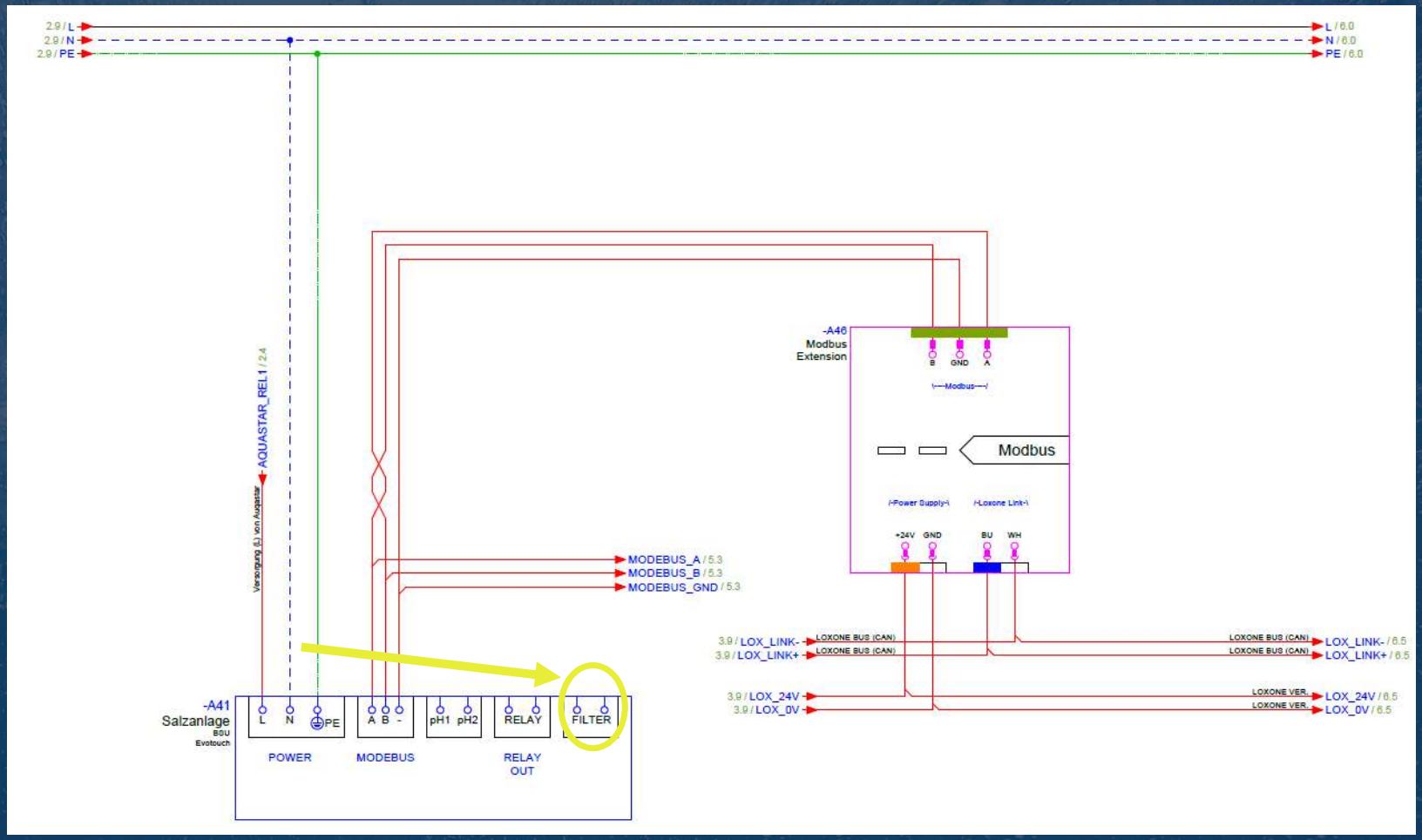
SALT-MODBUS - Verdrahtungsschema



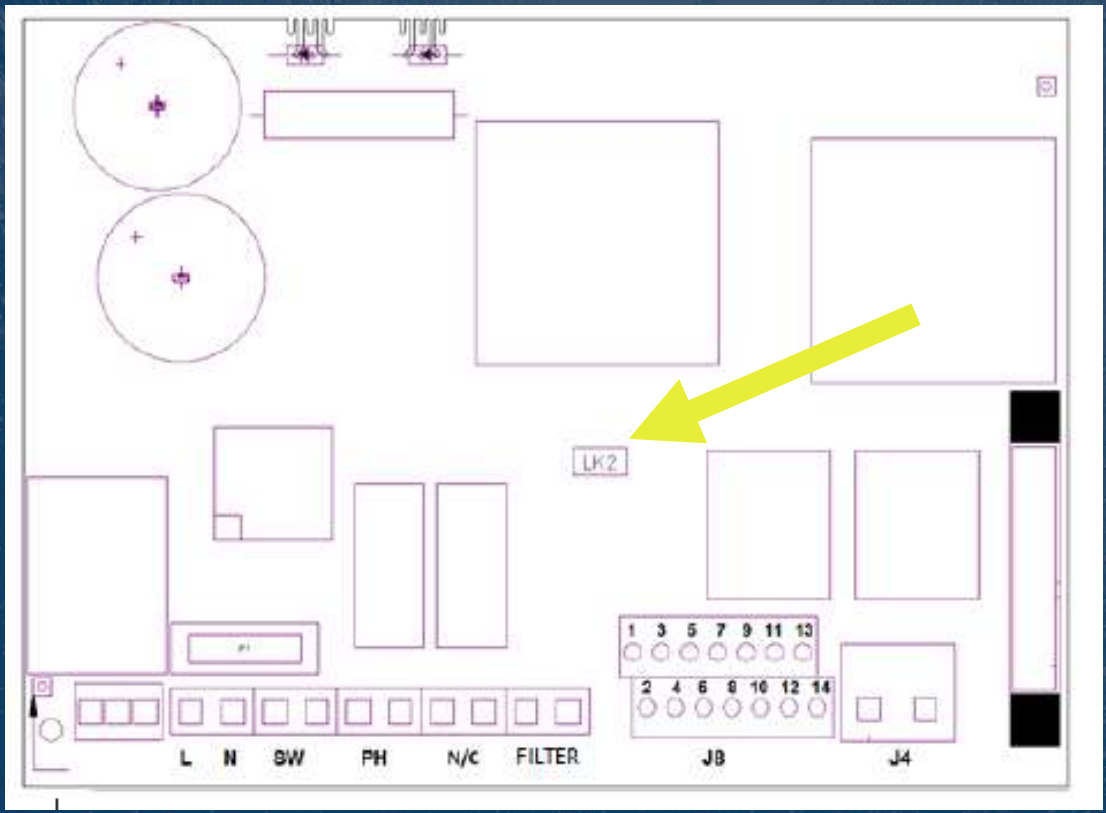
Aquastar Air



SALT-MODBUS - Verdrahtungsschema



SALT-MODBUS - Anschluss

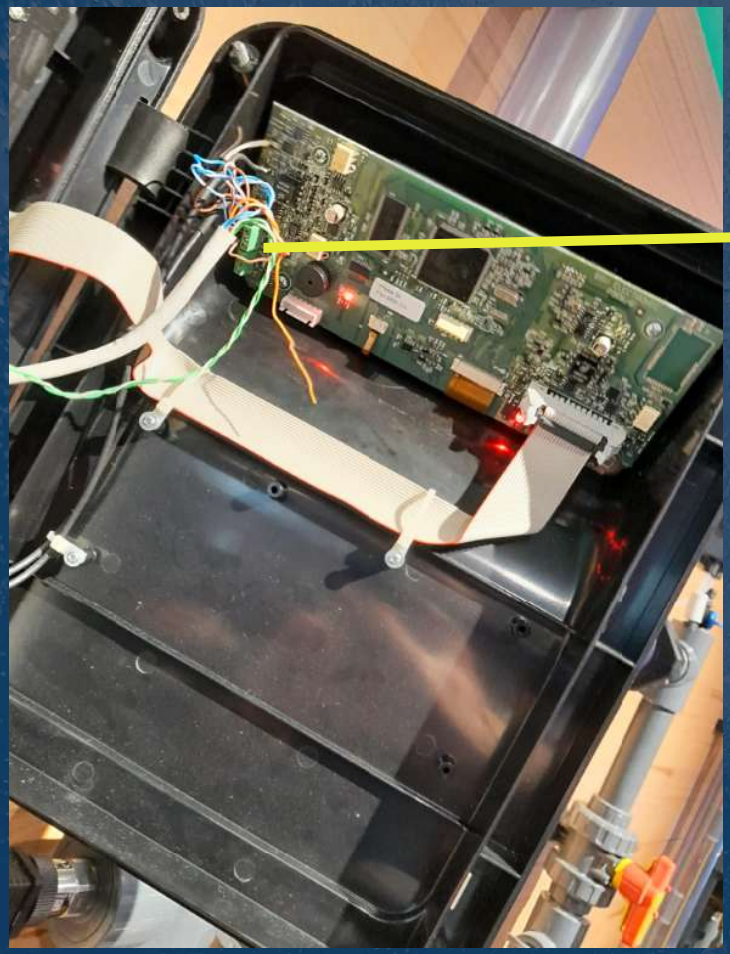


L, N: 220V-Versorgung
SW: ON/OFF-Schalter
PH: pH-Pumpenanschluss (nur bei den Modellen mit AUTO-Set)
RELAIS:potentialfreies Relais
FILTER: Filteranschluss für den Betriebsmodus AUS/AN
J4: Steckerleiste Zellenanschluss
J8:

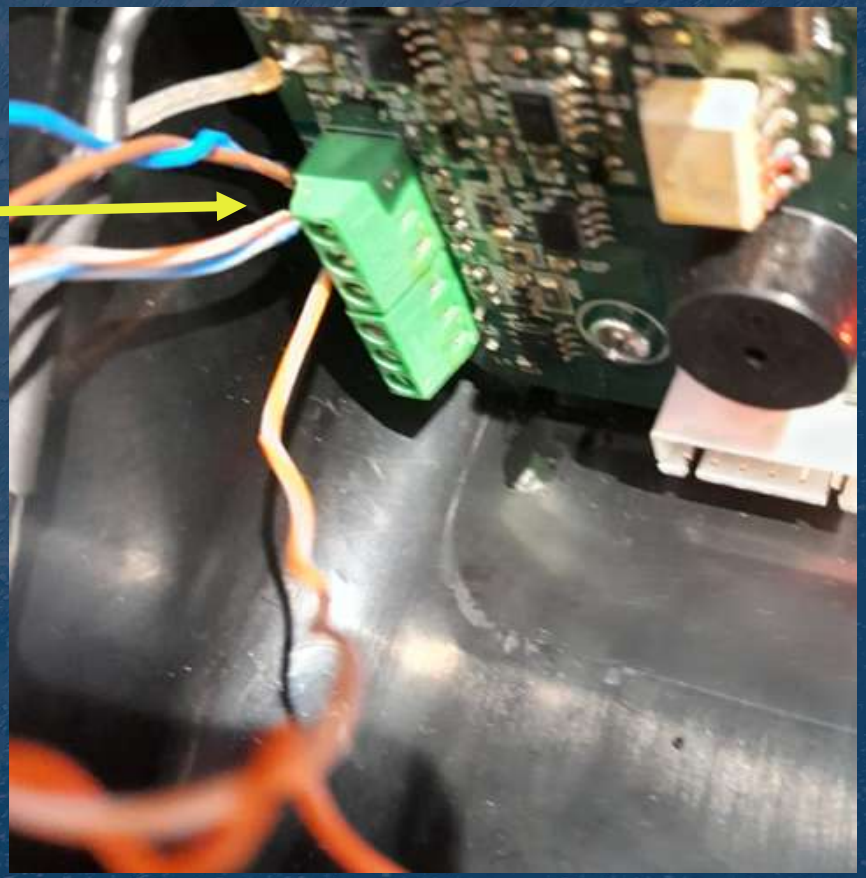
1-(*gelb*) Säuregehaltsensor (PH)
2-(*gelb*) Säuregehaltsensor (PH)
3-(*violett*) Abdeckung
4-(*violett*) Abdeckung
5-(*weiß*) Wasserdurchflusssensor (weißes Kabel der Zelle)
6-(*weiß*) externer FLOW-Schalter (5-6)*
7-(*blau*) Temperatursensor
8-(*blau*) Temperatursensor
9-(*braun*) CL-
10-(orange) CL+
11-(rot)
12-(grau) Leitfähigkeit (gnd)
13-(grün) Leitfähigkeit (Signal)
14-(rot) 12v Leitfähigkeit

*Funktion FLOW-SCHALTER im Konfigurationsmenü aktivieren
K1: pH-Relais
K4: Hilfsrelais
LK2: Start/Stopp (siehe Kapitel 3.3.2.1)
F1: Sicherung

SALT-MODBUS - Verdrahtung



Wichtig:
Nur obere Klemme verwenden



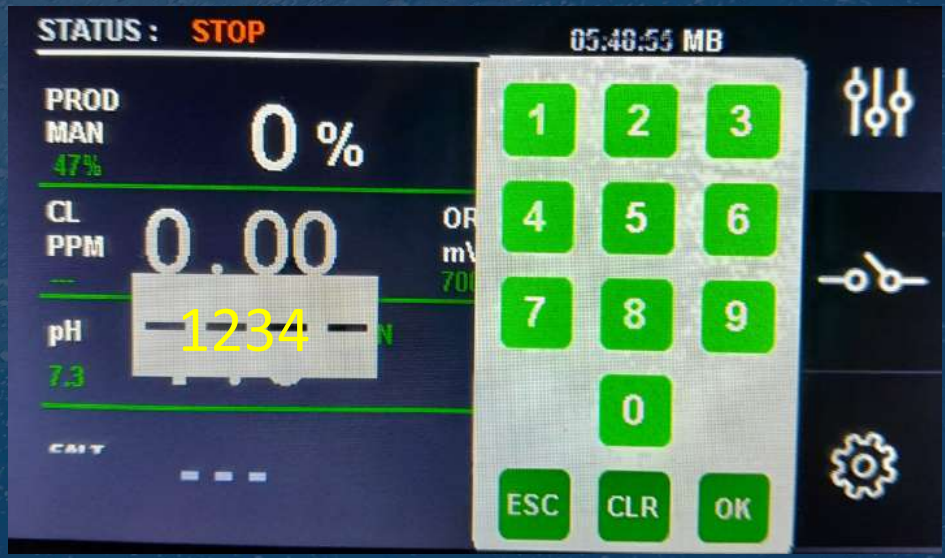
SALT-MODBUS - Modbusprotokoll

Name	Description	Bytes count	Holding registers	Input registers	Coils	Discrete Inputs	Protection	Comments
Device configuration - HOLDING REGISTERS								
ID Address	Default MODBUS adress	1	0x00				R/W	default: 0x0A*
COM_setup	RS485 port setup	1	0x01				R/W	See table A
Language	Chlorinator menu language	1	0x02				R/W	See table B
Cleaning cycle	Cleaning selection (Hours)	1	0x03				R/W	Time in minutes/10. Example: 4 hours -> 240min -> 24
Time hours	Hours clock time	1	0x04				R/W	Hours 24h format
Time minutes	Minutes clock time	1	0x05				R/W	Minutes
Devie control parameters - HOLDING REGISTERS								
Control mode	Manual/Auto/Semi-Auto	1	0x10				R/W	0 -> Manual mode; 1 -> Auto mode
Master probe	Free chlorine probe or ORP probe	1	0x11				R/W	0: Free Chlorine probe selected. 1: ORP probe selectec
Production set point	Chlorine production set point	1	0x12				R/W	0 to 100%
pH setpoint	pH set point	2	0x13				R/W	MSByte: pH High - LSByte: pH Low
ORP Setpoint	ORP set point	2	0x14				R/W	MSByte: orpHigh - LSByte: orpLow
PPM Setpoint	Free chlorine probe set point	2	0x15				R/W	MSByte: ppmHigh - LSByte: ppmLow
Aux relay - HOLDING REGISTERS								
Relay status	Auxiliary relay status	1	0x20				R/W	EVOTOUCH has 1 relay and it has 4 states. See Table C
R1 C1 Start time hour	Start hour C1	1	0x21				R/W	24h format; Set 24h to clear cicle
R1 C1 Start time minute	Start minute C1	1	0x22				R/W	minutes
R1 C1 Stop time hour	Stop hour C1	1	0x23				R/W	24h format; Set 24h to clear cicle
R1 C1 Stop time minute	Stop minute C1	1	0x24				R/W	minutes
R1 C2 Start time hour	Start hour C2	1	0x25				R/W	24h format; Set 24h to clear cicle

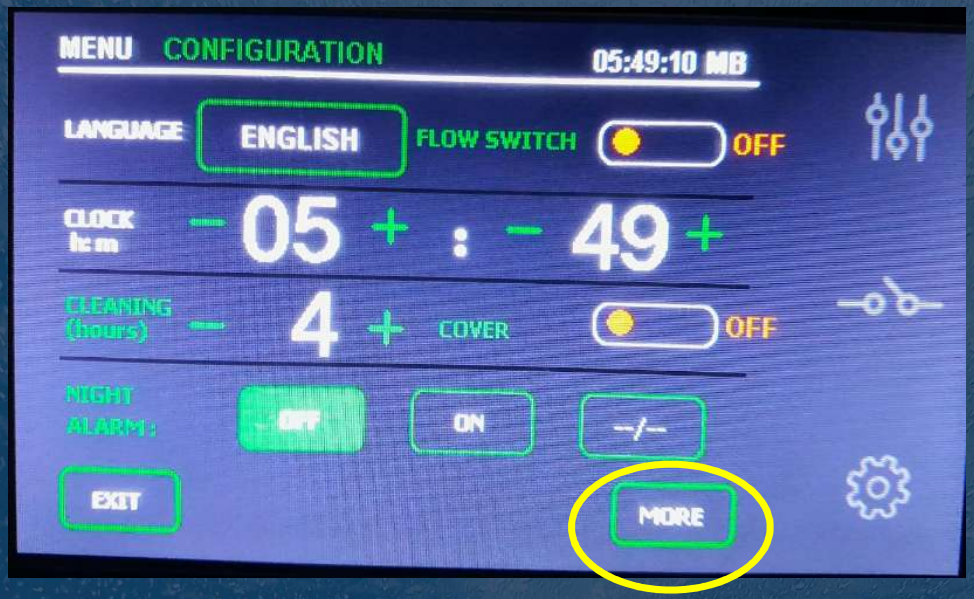
Table A	
0	19200, 8E1
1	19200, 8N1
2	19200, 8N2
3	9600, 8E1
4	9600, 8N1
5	9600, 8N2

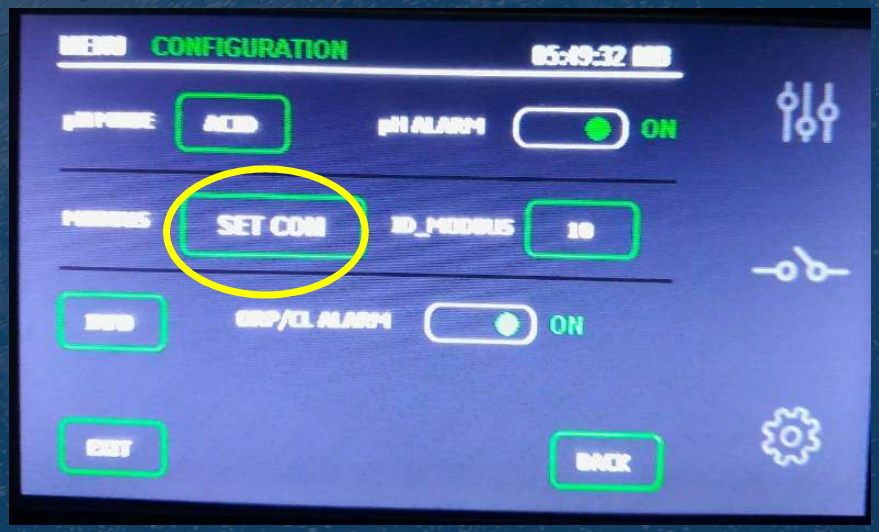
Table B	
0	English
1	French
2	Spanish
3	Italian
4	German
5	Czech
6	Dutch

SALT-MODBUS - Einstellungen



SALT-MODBUS - Einstellungen





SALT-MODBUS - Einstellungen