Module Address

IP Address 192.168.1.32
Subnet Mask: 255.255.255.0
Default gateway 192.168.1.2

Connection1 (Client)

Remote Properties(Server)
IP Address:192.168.1.12
Port: 502
Synchronize interval: 80Milliseconds

Data transfer:

ID	Operate	Length	Address (Local)	Address (Remote)	Unit ID
1	Read	1	VW8	IR19	1
2	Read	1	VW10	IR1009	1
3	Write	1	VW0	HR1001	1
4	Write	1	VW4	HR1003	1
5	Write	1	VW6	HR1004	1

Connection3 (Client)

Local Properties(Client)
TSAP: 22.00
Remote Properties(Server)
IP Address192.168.1.16
TSAP: 03.00

Data Transfer (Read: Local<-Remote; Write: Local->Remote)

ID	Operate	Length (Bytes)	Address (Local)	Address (Remote)
1	Read	1	VB0	DB49.DBB4
2	Read	1	VB0	DB49.DBB4
3	Read	1	VB0	DB49.DBB4
4	Read	1	VB0	DB49.DBB5
5	Read	1	VB0	DB49.DBB5
6	Read	1	VB1	DB49.DBB6
7	Read	1	VB1	DB49.DBB6
8	Read	1	VB1	DB49.DBB6
9	Read	1	VB1	DB49.DBB6
10	Read	1	VB1	DB49.DBB7
11	Read	1	VB1	DB49.DBB7
12	Read	1	VB1	DB49.DBB7
13	Read	1	VB2	DB49.DBB7

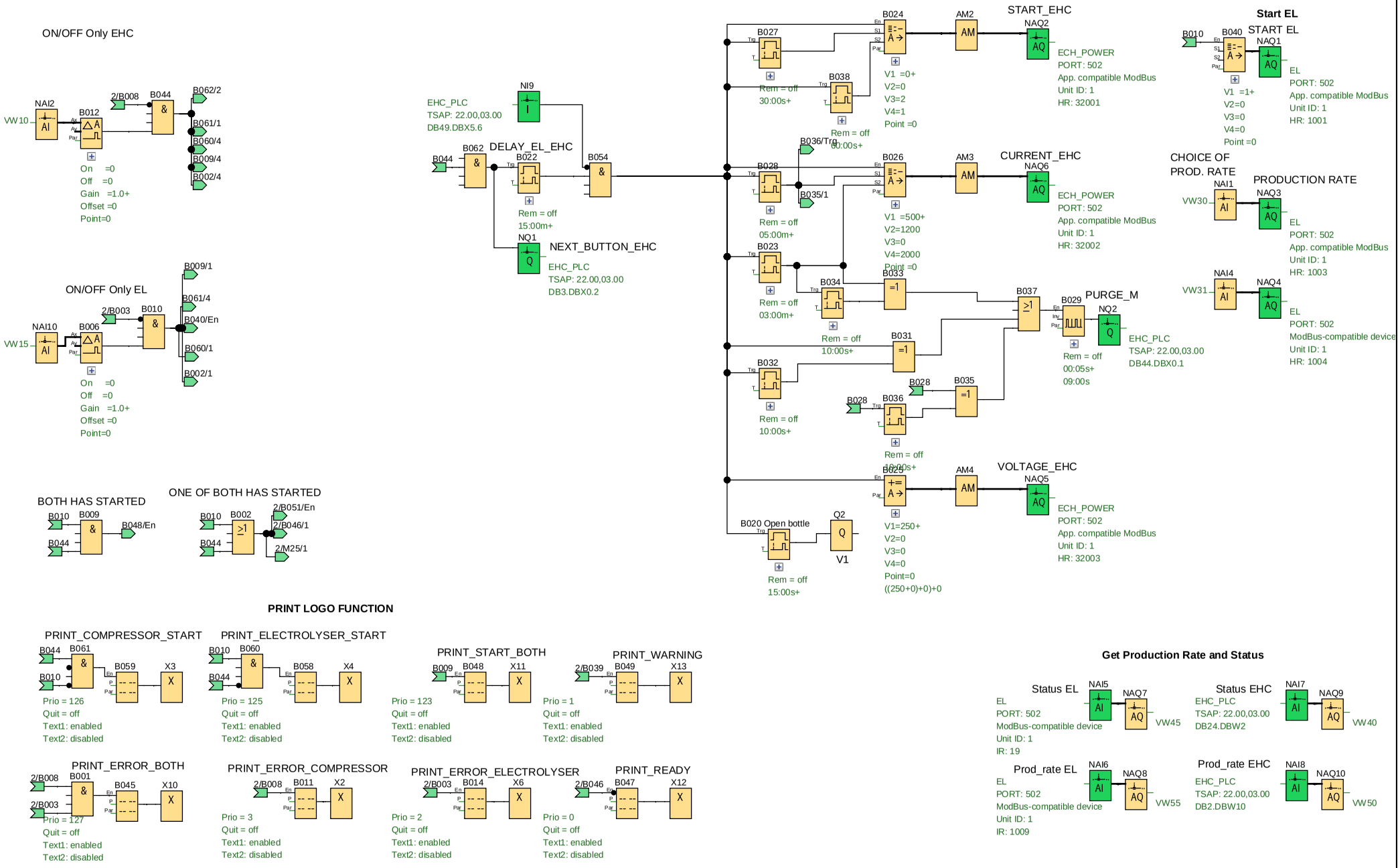
ID	Operate	Length (Bytes)	Address (Local)	Address (Remote)
14	Read	1	VB2	DB49.DBB8
15	Read	1	VB2	DB49.DBB8
16	Read	1	VB0	DB49.DBB4
17	Read	1	VB0	DB49.DBB5
18	Read	1	VB1	DB49.DBB5
19	Read	1	VB12	DB24.DBB2
20	Read	1	VB14	DB2.DBB10
21	Write	1	VB0	DB3.DBB0
22	Write	1	VB0	DB44.DBB0

Connection2 (Client)

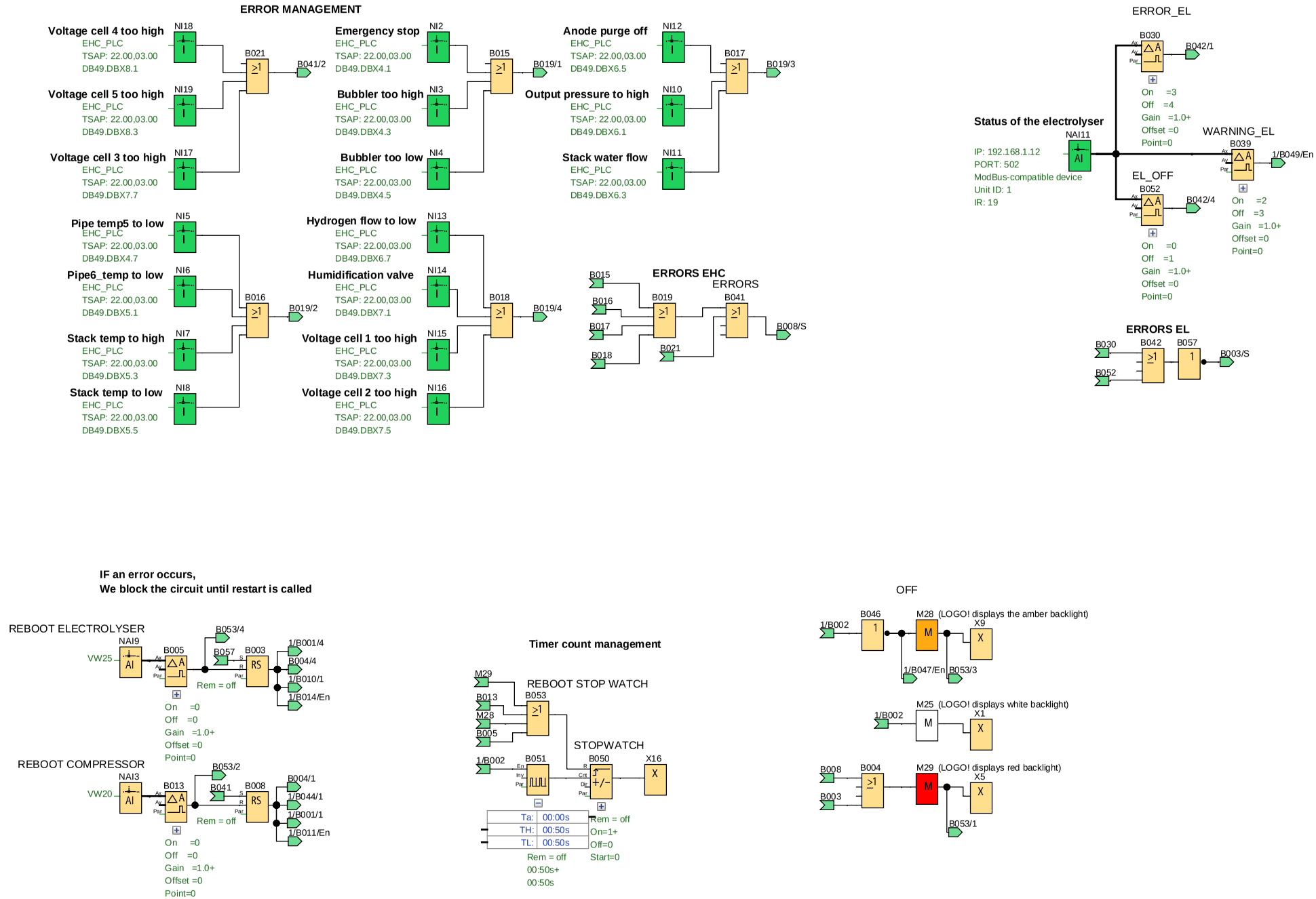
Remote Properties(Server)
IP Address:192.168.1.17
Port: 502
Synchronize interval: 80Milliseconds

Data transfer:

ID	Operate	Length	Address (Local)	Address (Remote)	Unit ID
1	Write	1	VW2	HR32001	1
2	Write	1	VW10	HR32002	1
3	Write	1	VW8	HR32003	1

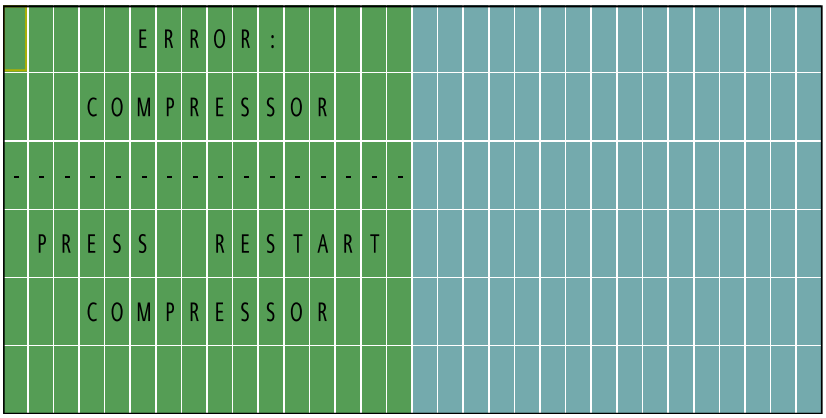


Creator:	cavan		Project:		Customer:		
Checked:			Installation:		Diagram No.:		
Date:	8/20/24 10:52 AM/9/10/25 11:27 AM		File:	LOGO! 8.4_1 Diagramme.lsc	Page:	5 / 16	



Creator:	cavan		Project:		Customer:		
Checked:			Installation:		Diagram No.:		
Date:	8/20/24 10:52 AM/9/10/25 11:27 AM		File:	LOGO! 8.4_1 Diagramme.lsc	Page:	6 / 16	

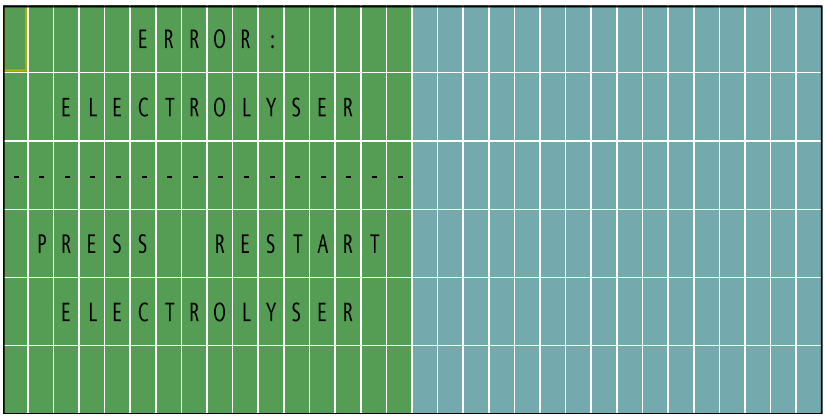
Block Number (Type)	Parameter
B002(OR) : ONE OF BOTH HAS STARTED	
B003(Latching Relay) :	Rem = off
B005(Analog Comparator) :	On =0 Off =0 Gain =1.0+ Offset =0 Point=0
B006(Analog Comparator) :	On =0 Off =0 Gain =1.0+ Offset =0 Point=0
B008(Latching Relay) :	Rem = off
B009(AND) : BOTH HAS STARTED	
B011(Message texts) : PRINT_ERROR_COMPRESSOR	Prio = 3 Quit = off Text1: enabled Text2: disabled



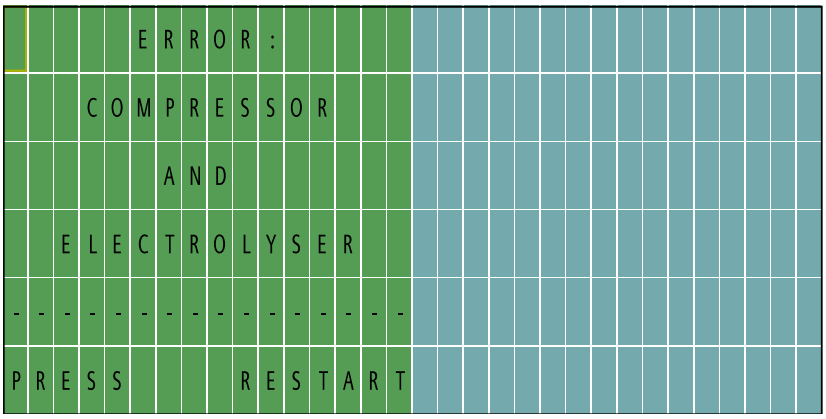
--> Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N

Message Destination
- Both

B012(Analog Comparator) :	On =0 Off =0 Gain =1.0+ Offset =0 Point=0
B013(Analog Comparator) :	On =0 Off =0 Gain =1.0+ Offset =0 Point=0

Block Number (Type)	Parameter
B014(Message texts) : PRINT_ERROR_ELECTROLYSER  	Prio = 2 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B019(OR) : ERRORS EHC	
B020 Open bottle(On-Delay) :	Rem = off 15:00s+
B022(On-Delay) : DELAY_EL_EHC	Rem = off 15:00m+
B023(On-Delay) :	Rem = off 03:00m+
B024(Analog MUX) :	V1 =0+ V2=0 V3=2 V4=1 Point =0
B025(Mathematic instruction) :	V1=250+ V2=0 V3=0 V4=0 Point=0 ((250+0)+0)+0
B026(Analog MUX) :	V1 =500+ V2=1200 V3=0 V4=2000 Point =0
B027(On-Delay) :	Rem = off 30:00s+
B028(On-Delay) :	Rem = off 05:00m+
B029(Asynchronous Pulse Generator) :	Rem = off 00:05s+ 09:00s

Block Number (Type)	Parameter
B030(Analog Comparator) : ERROR_EL	On =3 Off =4 Gain =1.0+ Offset =0 Point=0
B032(On-Delay) :	Rem = off 10:00s+
B034(On-Delay) :	Rem = off 10:00s+
B036(On-Delay) :	Rem = off 10:00s+
B038(On-Delay) :	Rem = off 60:00s+
B039(Analog Comparator) : WARNING_EL	On =2 Off =3 Gain =1.0+ Offset =0 Point=0
B040(Analog MUX) :	V1 =1+ V2=0 V3=0 V4=0 Point =0
B041(OR) : ERRORS	
B042(OR) : ERRORS EL	
B045(Message texts) : PRINT_ERROR_BOTH	Prio = 127 Quit = off Text1: enabled Text2: disabled



--> Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N

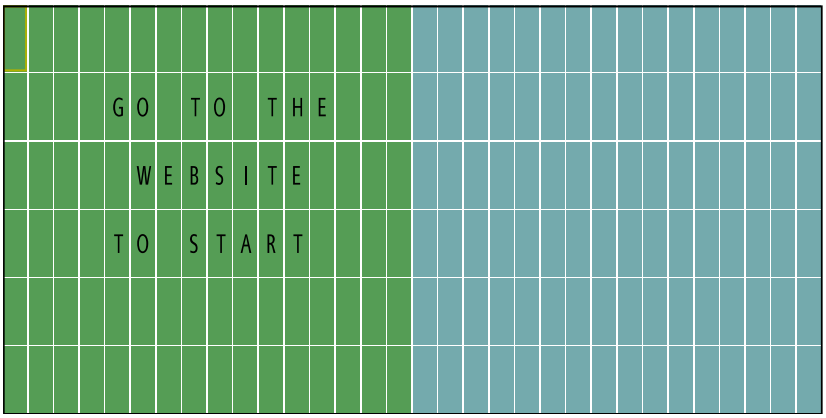
Message Destination
- Both

B046(NOT) : OFF					

Block Number (Type)	Parameter

B047(Message texts) :
PRINT_READY

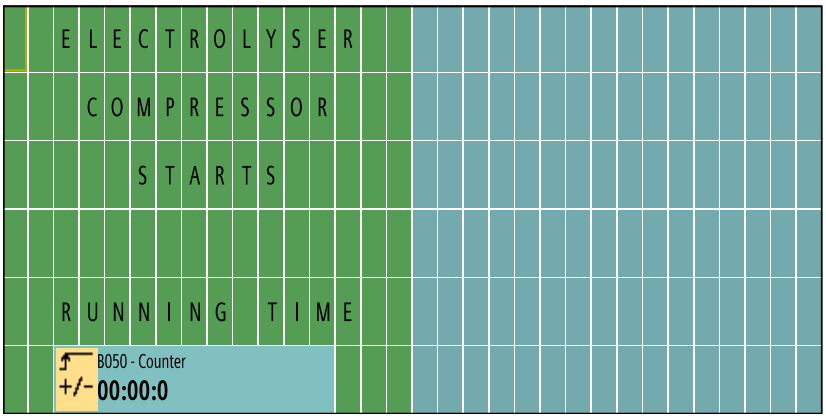
Prio = 0
Quit = off
Text1: enabled
Text2: disabled



-->
Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N
Message Destination
- Both

B048(Message texts) :
PRINT_START_BOTH

Prio = 123
Quit = off
Text1: enabled
Text2: disabled

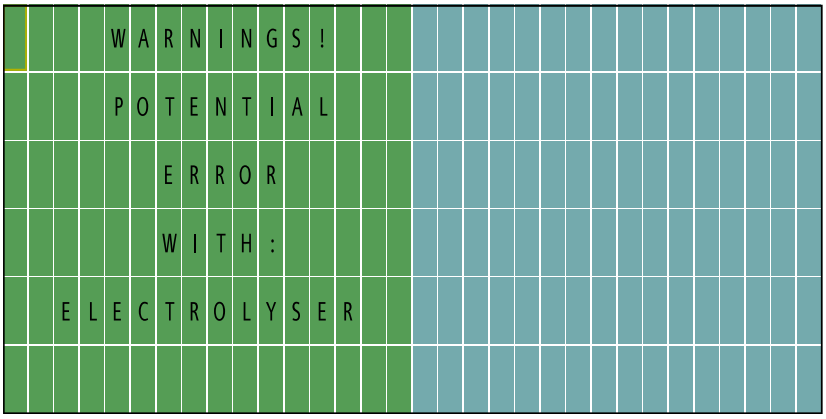


-->
Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N
Message Destination
- Both

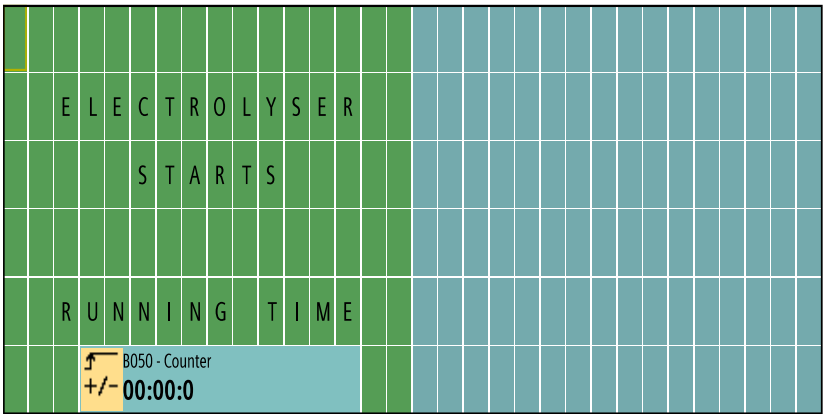
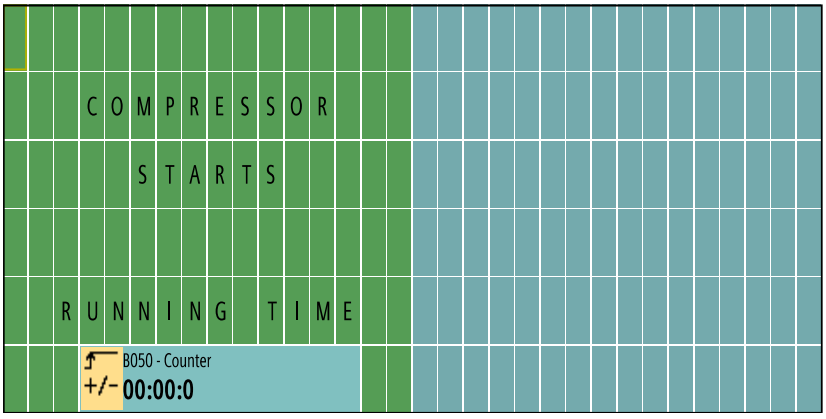
Line6.3 ScaleTime: B050-Cnt;s

B049(Message texts) :
PRINT_WARNING

Prio = 1
Quit = off
Text1: enabled
Text2: disabled



-->
Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N
Message Destination
- Both

Block Number (Type)	Parameter
B050(Up/Down counter) : STOPWATCH	Rem = off On=1+ Off=0 Start=0
B051(Asynchronous Pulse Generator) :	Rem = off 00:50s+ 00:50s
B052(Analog Comparator) : EL_OFF	On =0 Off =1 Gain =1.0+ Offset =0 Point=0
B053(OR) : REBOOT STOP WATCH	
B058(Message texts) : PRINT_ELECTROLYSER_START	Prio = 125 Quit = off Text1: enabled Text2: disabled
	--> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
Line6.4 ScaleTime: B050-Cnt;s	
B059(Message texts) : PRINT_COMPRESSOR_START	Prio = 126 Quit = off Text1: enabled Text2: disabled
	--> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
Line6.4 ScaleTime: B050-Cnt;s	
NAI1(Network analog input) : CHOICE OF PROD. RATE	VW30

Block Number (Type)	Parameter
NAI2(Network analog input) : ON/OFF Only EHC	VW10
NAI3(Network analog input) : REBOOT COMPRESSOR	VW20
NAI5(Network analog input) : Status EL	EL PORT: 502 ModBus-compatible device Unit ID: 1 IR: 19
NAI6(Network analog input) : Prod_rate EL	EL PORT: 502 ModBus-compatible device Unit ID: 1 IR: 1009
NAI7(Network analog input) : Status EHC	EHC_PLC TSAP: 22.00,03.00 DB24.DBW2
NAI8(Network analog input) : Prod_rate EHC	EHC_PLC TSAP: 22.00,03.00 DB2.DBW10
NAI9(Network analog input) : REBOOT ELECTROLYSER	VW25
NAI10(Network analog input) : ON/OFF Only EL	VW15
NAI11(Network analog input) : Status of the electrolyser	IP: 192.168.1.12 PORT: 502 ModBus-compatible device Unit ID: 1 IR: 19
NAQ1(Network analog output) : START EL	EL PORT: 502 ModBus-compatible device Unit ID: 1 HR: 1001
NAQ2(Network analog output) : START_EHC	ECH_POWER PORT: 502 ModBus-compatible device Unit ID: 1 HR: 32001
NAQ3(Network analog output) : PRODUCTION RATE	EL PORT: 502 ModBus-compatible device Unit ID: 1 HR: 1003

Block Number (Type)	Parameter
NAQ5(Network analog output) : VOLTAGE_EHC	ECH_POWER PORT: 502 ModBus-compatible device Unit ID: 1 HR: 32003
NAQ6(Network analog output) : CURRENT_EHC	ECH_POWER PORT: 502 ModBus-compatible device Unit ID: 1 HR: 32002
NI2(Network input) : Emergency stop	EHC_PLC TSAP: 22.00,03.00 DB49.DBX4.1
NI3(Network input) : Bubbler too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX4.3
NI4(Network input) : Bubbler too low	EHC_PLC TSAP: 22.00,03.00 DB49.DBX4.5
NI5(Network input) : Pipe temp5 to low	EHC_PLC TSAP: 22.00,03.00 DB49.DBX4.7
NI6(Network input) : Pipe6_temp to low	EHC_PLC TSAP: 22.00,03.00 DB49.DBX5.1
NI7(Network input) : Stack temp to high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX5.3
NI8(Network input) : Stack temp to low	EHC_PLC TSAP: 22.00,03.00 DB49.DBX5.5
NI10(Network input) : Output pressure to high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX6.1
NI11(Network input) : Stack water flow	EHC_PLC TSAP: 22.00,03.00 DB49.DBX6.3
NI12(Network input) : Anode purge off	EHC_PLC TSAP: 22.00,03.00 DB49.DBX6.5
NI13(Network input) : Hydrogen flow to low	EHC_PLC TSAP: 22.00,03.00 DB49.DBX6.7
NI14(Network input) : Humidification valve	EHC_PLC TSAP: 22.00,03.00 DB49.DBX7.1

Block Number (Type)	Parameter
NI15(Network input) : Voltage cell 1 too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX7.3
NI16(Network input) : Voltage cell 2 too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX7.5
NI17(Network input) : Voltage cell 3 too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX7.7
NI18(Network input) : Voltage cell 4 too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX8.1
NI19(Network input) : Voltage cell 5 too high	EHC_PLC TSAP: 22.00,03.00 DB49.DBX8.3
NQ1(Network output) : NEXT_BUTTON_EHC	EHC_PLC TSAP: 22.00,03.00 DB3.DBX0.2
NQ2(Network output) : PURGE_M	EHC_PLC TSAP: 22.00,03.00 DB44.DBX0.1
Q2(Output) : V1	

Connection	Label
NAI1	
NAI2	
NAI3	
NAI4	
NAI5	
NAI6	
NAI7	
NAI8	
NAI9	
NAI10	
NAI11	
NI2	
NI3	
NI4	
NI5	
NI6	
NI7	
NI8	
NI9	
NI10	
NI11	
NI12	
NI13	
NI14	
NI15	
NI16	
NI17	
NI18	
NI19	
AM2	
AM3	
AM4	
M25	LOGO! displays white backlight
M28	LOGO! displays the amber backlight
M29	LOGO! displays red backlight

Connection	Label
NAQ1	
NAQ2	
NAQ3	
NAQ4	
NAQ5	
NAQ6	
NAQ7	
NAQ8	
NAQ9	
NAQ10	
NQ1	
NQ2	
Q2	
X1	
X2	
X3	
X4	
X5	
X6	
X9	
X10	
X11	
X12	
X13	
X16	