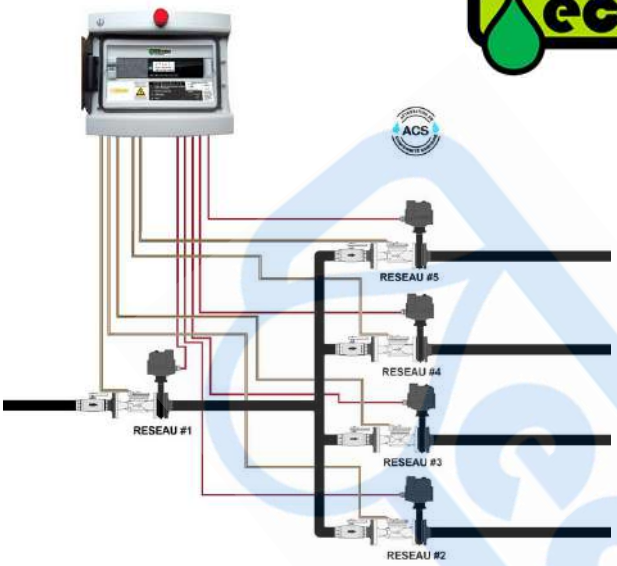
MODBUS RS485-ETHERNET EXCHANGE TABLE
LCD Enclosure Models 5 Networks-
Commercial Programs: EM4 CT5.9 to 6.2 Software, Modbus or Ethernet

2026

adjustable pulse weight: (weight 1L-> dn 15-40) (weight 5L/10L->dn 50-100)





Modbus RS485 NETWORK

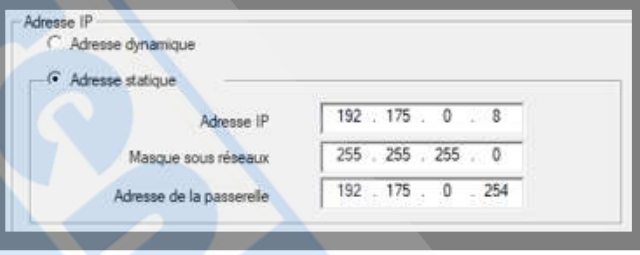
Different configuration on request at time of order
Default settings

Number of wires: 2-wire RTU / 4-wire RTU
Speed: 1200/2400/4800/9600/19200/28800/38400
Parity: None / Even / Odd
Modbus* Address: 1/ No. from 1 to 247

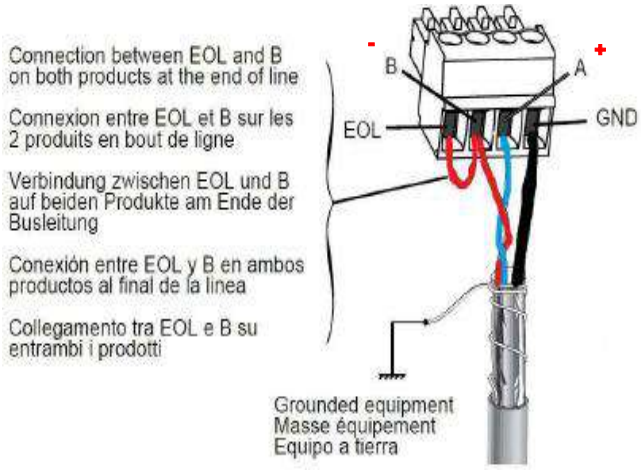
* Address No. editable from the PLC

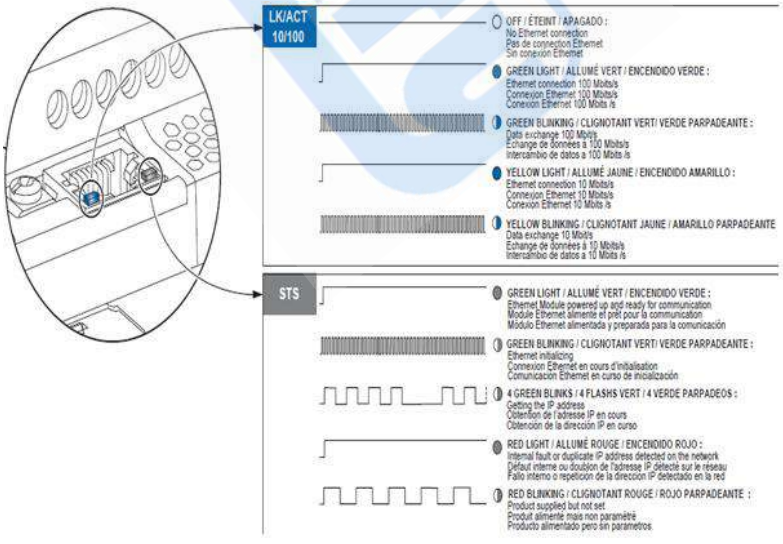
Modbus TCP/IP NETWORK

-IP Address
-Subnet MASK
-Gateway Address
to be provided to us before shipping



IP Address, Network Mask, Gateway Address (editable from the PLC)





Values and States frequently read from BMS/BAS (Recommended)
Values and States occasionally read from BMS/BAS

XBIN(Word)		XBIN(bit)		INPUT Inputs (Read/write)	
Address 25	**BIT 1**	**1000**	Off Command	NETWORK 1 Monitoring OFF (Stop/Close valve)	Pulse
	BIT 2	**1001**	On Command	NETWORK 1 Reset ON (Run/Open valve)	Pulse
	BIT 3	**1002**	Off Command	NETWORK 2 Monitoring OFF (Stop/Close valve)	Pulse
	BIT 4	**1003**	On Command	NETWORK 2 Reset ON (Run/Open valve)	Pulse
	BIT 5	**1004**	Off Command	NETWORK 3 Monitoring OFF (Stop/Close valve)	Pulse
	BIT 6	**1005**	On Command	NETWORK 3 Reset ON (Run/Open valve)	Pulse
	BIT 7	**1006**	Off Command	NETWORK 4 Monitoring OFF (Stop/Close valve)	Pulse
	BIT 8	**1007**	On Command	NETWORK 4 Reset ON (Run/Open valve)	Pulse
	BIT 9	**1008**	Off Command	NETWORK 5 Monitoring OFF (Stop/Close valve)	Pulse
	BIT 10	**1009**	On Command	NETWORK 5 Reset ON (Run/Open valve)	Pulse
	BIT 11	**1010**	On Command	NETWORK 1 Leak threshold auto-adjustment ON	Pulse
	BIT 12	**1011**	On Command	NETWORK 2 Leak threshold auto-adjustment ON	Pulse
	BIT 13	**1012**	On Command	NETWORK 3 Leak threshold auto-adjustment ON	Pulse
	BIT 14	**1013**	On Command	NETWORK 4 Leak threshold auto-adjustment ON	Pulse
	BIT 15	**1014**	On Command	NETWORK 5 Leak threshold auto-adjustment ON	Pulse
	BIT 16	**1015**		FREE	

Warning: commands issued on bits 1 to 16 (bit set to 1) must last only a few seconds; the bits must always be reset to 0 afterward.

	INDEX	In Liters		OUTPUT Outputs (Read)	
Address 26			Variable	Network 1 Meter: Low INDEX	
Address 27			Variable	Network 1 Meter: High INDEX	
Address 28			Variable	Network 2 Meter: Low INDEX	
Address 29			Variable	Network 2 Meter: High INDEX	
Address 30			Variable	Network 3 Meter: Low INDEX	
Address 31			Variable	Network 3 Meter: High INDEX	
Address 32			Variable	Network 4 Meter: Low INDEX	
Address 33			Variable	Network 4 Meter: High INDEX	
Address 34			Variable	Network 5 Meter: Low INDEX	
Address 35			Variable	Network 5 Meter: High INDEX	
Address 36			Variable	Network 1: Recorded Leak Flow Rate	
Address 37			Variable	Network 2: Recorded Leak Flow Rate	
Address 38			Variable	Network 3: Recorded Leak Flow Rate	
Address 39			Variable	Network 4: Recorded Leak Flow Rate	
Address 40			Variable	Network 5: Recorded Leak Flow Rate	
Address 41			Variable	FREE	

INDEX values in LITERS (regardless of pulse weight)
Each meter INDEX is recorded on 32 bits; values are sent split into 2 words of 16 bits
The electronic Indexes can be edited locally on the enclosure (synchronization with the meter indexes)

Values and States frequently read from BMS/BAS (Recommended)
Values and States occasionally read from BMS/BAS

				OUTPUT Outputs (Read)		
Address 42	**BIT 1**		Status	**Network 1:** GENERAL SAFETY SHUT-OFF (valve closed with device installed and configured)	**0=Off/1=On**	●
	BIT 2		Status	Network 1: Transmitter E1 ALERT	**0=Off/1=On**	●
	BIT 3		Status	Network 1: 1st Leak ALERT	**0=Off/1=On**	●
	BIT 4		Status	Network 1: Consumption ALARM	**0=Off/1=On**	○
	BIT 5		Status	Network 1: Leak threshold auto-adjustment (170h) Adjustable	**0=Off/1=On**	○
	BIT 6		Status	Network 1: RUN (Monitoring ON) (valve open if device connected and configured)	**0=Off/1=On**	●
	BIT 7		Status	Network 1: Pipe Burst ALERT	**0=Off/1=On**	●
	BIT 8		Status	Network 1: TIMER ON	**0=Off/1=On**	○
	BIT 9		Status	Network 1: FORCED RUN (1 to 4h) (Leak Monitoring Off)	**0=Off/1=On**	●
	BIT 10		Status	Network 1: TRANSMITTER MONITORING	**0=Off/1=On**	●
	BIT 11		Status	Network 1: Network Shut-off authorized on Daily Consumption ALARM (threshold 10000L, adjustable)	**0=Off/1=On**	○
	BIT 12		Status	Network 1: Network Shut-off Authorized on Transmitter ALERT (96h without pulses, adjustable)	**0=Off/1=On**	○
	BIT 13		Status	Network 1: Flood ALERT	**0=Off/1=On**	●
	BIT 14		Status	FREE		
	BIT 15		Status	FREE		
	BIT 16		Status	FREE		
Address 43	**BIT 1**		Status	**Network 2:** GENERAL SAFETY SHUT-OFF (valve closed with device installed and configured)	**0=Off/1=On**	●
	BIT 2		Status	Network 2: Transmitter E2 ALERT	**0=Off/1=On**	●
	BIT 3		Status	Network 2: 1st Leak ALERT	**0=Off/1=On**	●
	BIT 4		Status	Network 2: Consumption ALARM	**0=Off/1=On**	○
	BIT 5		Status	Network 2: Leak threshold auto-adjustment (170h) Adjustable	**0=Off/1=On**	○
	BIT 6		Status	Network 2: RUN (Monitoring ON) (valve open if device connected and configured)	**0=Off/1=On**	●
	BIT 7		Status	Network 2: Pipe Burst ALERT	**0=Off/1=On**	●
	BIT 8		Status	Network 2: TIMER ON	**0=Off/1=On**	○
	BIT 9		Status	Network 2: FORCED RUN (1 to 4h) (Leak Monitoring Off)	**0=Off/1=On**	●
	BIT 10		Status	Network 2: TRANSMITTER MONITORING	**0=Off/1=On**	●
	BIT 11		Status	Network 2: Network Shut-off authorized on Daily Consumption ALARM (threshold 10000L, adjustable)	**0=Off/1=On**	○
	BIT 12		Status	Network 2: Network Shut-off Authorized on Transmitter ALERT (96h without pulses, adjustable)	**0=Off/1=On**	○
	BIT 13		Status	Network 2: Flood ALERT	**0=Off/1=On**	●
	BIT 14		Status	Dry contact O2 (NO): closed on LEAK ALERT for Networks 1 to 5	**0=Off/1=On**	○
	BIT 15		Status	Dry contact O2 (NO): closed on Excessive Consumption Shut-off ALERT for Networks 1 to 5	**0=Off/1=On**	○
	BIT 16		Status	Dry contact O2 (NO): closed on TRANSMITTER ALERT for Networks 1 to 5	**0=Off/1=On**	○

Values and States frequently read from BMS/BAS (Recommended)
Values and States occasionally read from BMS/BAS

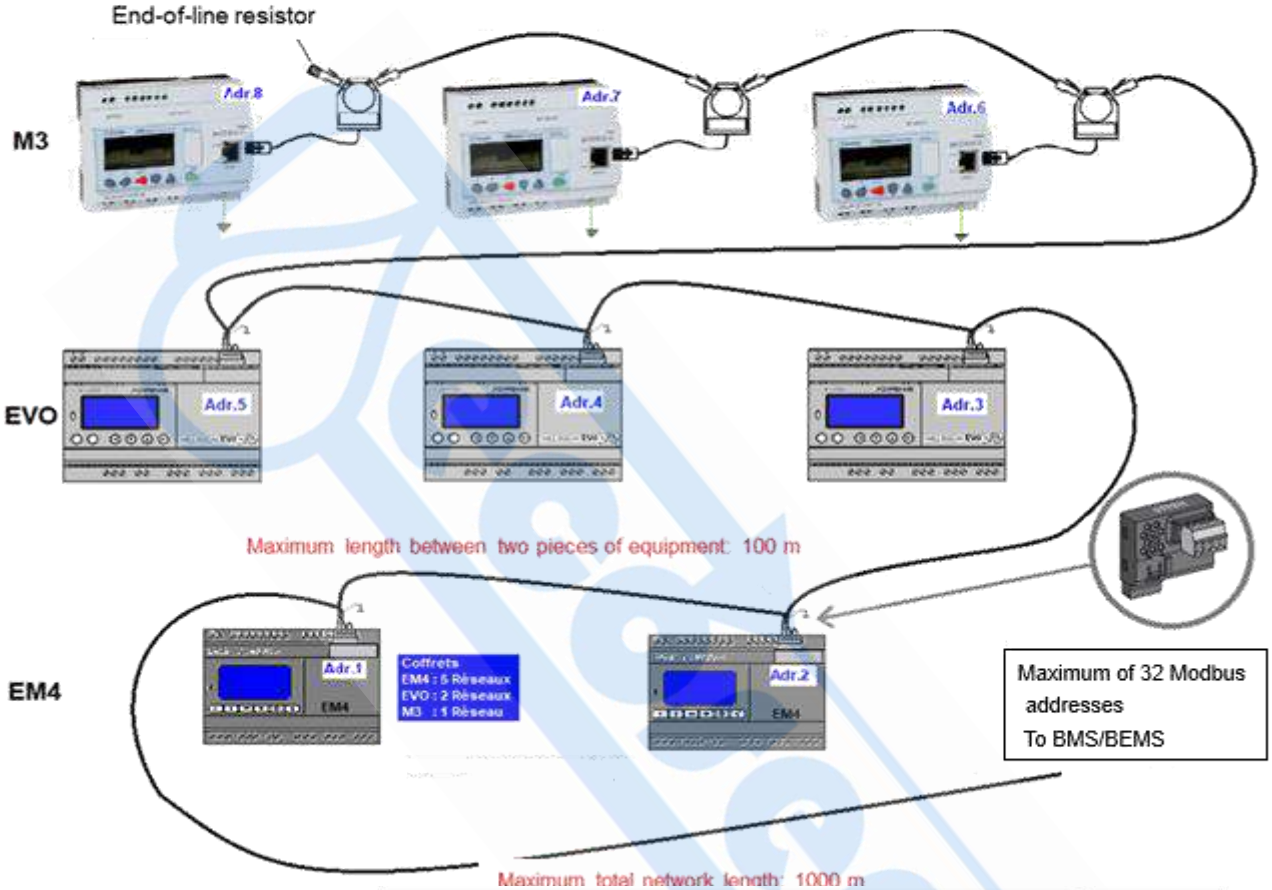
				OUTPUT Outputs (Read)	
Address 44	**BIT 1**		Status	**Network 3:** GENERAL SAFETY SHUT-OFF (valve closed with device installed and configured)	**0=Off/1=On**
	BIT 2		Status	Network 3: Transmitter E3 ALERT	**0=Off/1=On**
	BIT 3		Status	Network 3: 1st Leak ALERT	**0=Off/1=On**
	BIT 4		Status	Network 3: Consumption ALARM	**0=Off/1=On**
	BIT 5		Status	Network 3: Leak threshold auto-adjustment (170h) Adjustable	**0=Off/1=On**
	BIT 6		Status	Network 3: RUN (Monitoring ON) (valve open if device connected and configured)	**0=Off/1=On**
	BIT 7		Status	Network 3: Pipe Burst ALERT	**0=Off/1=On**
	BIT 8		Status	Network 3: TIMER ON	**0=Off/1=On**
	BIT 9		Status	Network 3: FORCED RUN (1 to 4h) (Leak Monitoring Off)	**0=Off/1=On**
	BIT 10		Status	Network 3: TRANSMITTER MONITORING	**0=Off/1=On**
	BIT 11		Status	Network 3: Network Shut-off authorized on Daily Consumption ALARM (threshold 10000L, adjustable)	**0=Off/1=On**
	BIT 12		Status	Network 3: Network Shut-off Authorized on Transmitter ALERT (96h without pulses, adjustable)	**0=Off/1=On**
	BIT 13		Status	Network 3: Flood ALERT	**0=Off/1=On**
	BIT 14		Status	STOP Leak Monitoring Networks 1 to 5	**0=Off/1=On**
	BIT 15		Status	PLC ERROR	**0=Off/1=On**
	BIT 16		Status	FIRE ALARM (NC) (SHUNT / between +24Vdc and IC input broken)	**0=Off/1=On**
Address 45	**BIT 1**		Status	**Network 4:** GENERAL SAFETY SHUT-OFF (valve closed with device installed and configured)	**0=Off/1=On**
	BIT 2		Status	Network 4: Transmitter E1 ALERT	**0=Off/1=On**
	BIT 3		Status	Network 4: 1st Leak ALERT	**0=Off/1=On**
	BIT 4		Status	Network 4: Consumption ALARM	**0=Off/1=On**
	BIT 5		Status	Network 4: Leak threshold auto-adjustment (170h) Adjustable	**0=Off/1=On**
	BIT 6		Status	Network 4: RUN (Monitoring ON) (valve open if device connected and configured)	**0=Off/1=On**
	BIT 7		Status	Network 4: Pipe Burst ALERT	**0=Off/1=On**
	BIT 8		Status	Network 4: TIMER ON	**0=Off/1=On**
	BIT 9		Status	Network 4: FORCED RUN (1 to 4h) (Leak Monitoring Off)	**0=Off/1=On**
	BIT 10		Status	Network 4: TRANSMITTER MONITORING	**0=Off/1=On**
	BIT 11		Status	Network 4: Network Shut-off authorized on Daily Consumption ALARM (threshold 10000L, adjustable)	**0=Off/1=On**
	BIT 12		Status	Network 4: Network Shut-off Authorized on Transmitter ALERT (96h without pulses, adjustable)	**0=Off/1=On**
	BIT 13		Status	Network 4: Flood ALERT	**0=Off/1=On**
	BIT 14		Status	FREE	
	BIT 15		Status	FREE	
	BIT 16		Status	FREE	

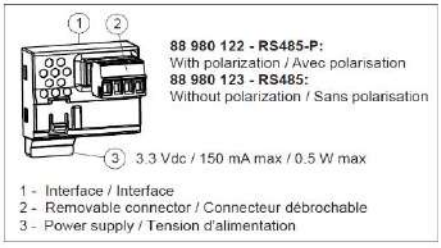
Values and States frequently read from BMS/BAS (Recommended)
Values and States occasionally read from BMS/BAS

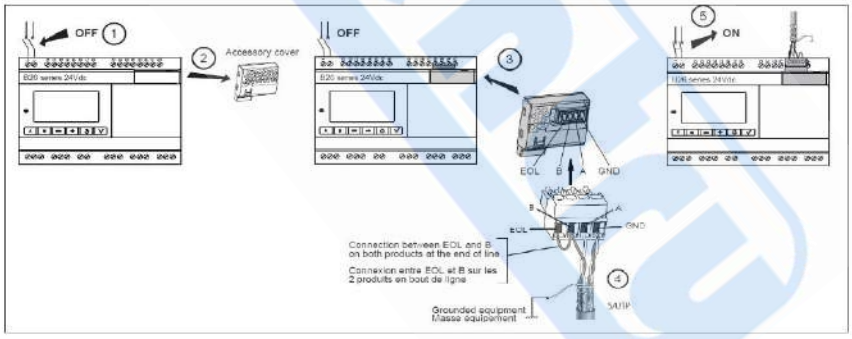
				OUTPUT Outputs (Read)	
Address 46	**BIT 1**		Status	**Network 5:** GENERAL SAFETY SHUT-OFF (valve closed with device installed and configured)	**0=Off/1=On**
	BIT 2		Status	Network 5: Transmitter E1 ALERT	**0=Off/1=On**
	BIT 3		Status	Network 5: 1st Leak ALERT	**0=Off/1=On**
	BIT 4		Status	Network 5: Consumption ALARM	**0=Off/1=On**
	BIT 5		Status	Network 5: Leak threshold auto-adjustment (170h) Adjustable	**0=Off/1=On**
	BIT 6		Status	Network 5: RUN (Monitoring ON) (valve open if device connected and configured)	**0=Off/1=On**
	BIT 7		Status	Network 5: Pipe Burst ALERT	**0=Off/1=On**
	BIT 8		Status	Network 5: TIMER ON	**0=Off/1=On**
	BIT 9		Status	Network 5: FORCED RUN (1 to 4h) (Leak Monitoring Off)	**0=Off/1=On**
	BIT 10		Status	Network 5: TRANSMITTER MONITORING	**0=Off/1=On**
	BIT 11		Status	Network 5: Network Shut-off authorized on Daily Consumption ALARM (threshold 10000L, adjustable)	**0=Off/1=On**
	BIT 12		Status	Network 5: Network Shut-off Authorized on Transmitter ALERT (96h without pulses, adjustable)	**0=Off/1=On**
	BIT 13		Status	FREE	
	BIT 14		Status	FREE	
	BIT 15		Status	FREE	
	BIT 16		Status	FREE	
Address 47			Variable	PLC ERROR No.	

RS485 Modbus network

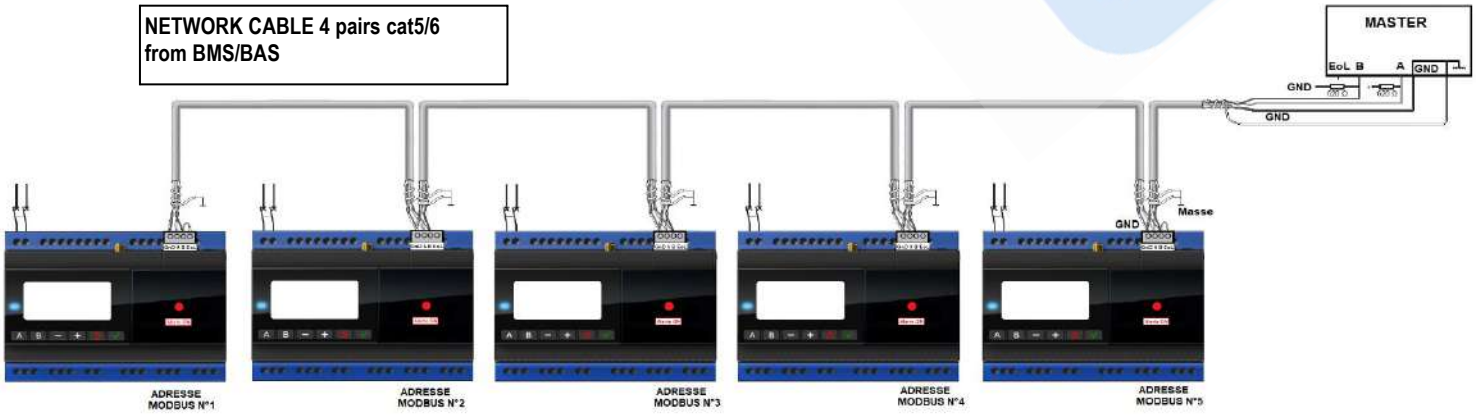
Network length less than 1000 m







NETWORK CABLE 4 pairs cat5/6 from BMS/BAS



TCP/IP Ethernet Network

