

BACnet LEGIOMIX®evo - 6003 series

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Technical documentation:



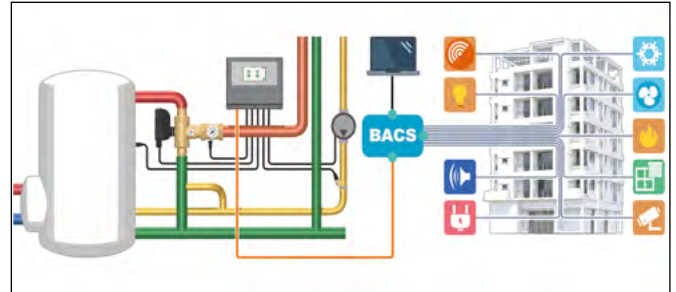


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Transmission

To set the BACnet parameters follow the path on the LEGIOMIX evo display:

Home -> Settings -> Protocols -> - BACnet MSTP
- BACnet IP

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SERIAL PARAM

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Address - 125 +

Baudrate 19200

Data bits / Stop bits 8 / 1

Parity O

Max master - 127 +

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1. Set the address using + and -;
2. Select the Baudrate by choosing "9600", "19200", "38400" or "115200";
3. Select the Parity by choosing "O", "E" or "N";
4. Set the Max master using + and -;
5. Save. The regulator restarts automatically in order to apply the set configurations properly.

BACnet MSTP default settings		
Parameter	Default value	Range
Address	1	1 - 247
Baudrate [baud]	9600	9600 - 19200 38400 - 115200
Bits	8	
Parity	None	None (N) / Even (E) / Odd (O)
Stops bits	1	
Max master	127	1 - 127

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ETH2 PARAM

📄

Port - 47823 +

↑
+

+

+

+

IP 000 000 000 000

↓
-

-

-

-

←
○ ●

1. Select the Port by choosing "47808" or "47823";
2. Select the IP, Mask, Gateway, parameters;
3. Set the values using + and -;
4. Save. The regulator restarts automatically in order to apply the set configurations properly

BACnet IP default settings		
Parameter	Default value	Range
IP Address	192.168.89.22	---.---.---.---
Mask	255.255.255.00	---.---.---.---
Gateway	192.168.89.1	---.---.---.---
Port	47808 (0xBAC0)	47808 - 47823 (0xBAC0 - 0xBACF)

N.B.: if you choose BACnet IP be sure that ETH2 cable is already plugged before save the settings and restart the LEGIOMIXevo.

BACnet OBJECTS						
ID	TYPE	OBJECT NAME	UNIT	PRESENT VALUE	READ	WRITE
0	Object Device	-	-	xxxx-002x-xxxx-xxxx-x same SN printed on label	x	
1	Character String Value	Firmware Version	-	xx.xx.xx	x	
2	Character String Value	Hardware Version	-	Hx	x	
3	Character String Value	Product Code	-	6003xx	x	
4	Character String Value	Serial Number	-	xxxx-002x-xxxx-xxxx-x same SN printed on label	x	
5	Analog Value	Current Day	95 - No Unit	1-31	x	
6	Analog Value	Current Month	95 - No Unit	1-12	x	
7	Analog Value	Current Year	95 - No Unit	yyyy	x	
8	Analog Value	Current Hour	95 - No Unit	0-23	x	
9	Analog Value	Current Minute	95 - No Unit	0-59	x	
10	Analog Value	State	95 - No Unit	0: UNDEFINED 1: Disinfection PROG_1 2: Disinfection PROG_2 3: Disinfection PROG_3 4: FLUX 5: SHOCK 6: ANTICLOG 8: MIXING 9: SAFETY VALVE 88: Initialization phase 99: NO Program running	x	
11	Analog Value	Alarm	95 - No Unit	0 = no alarm otherwise alarm code *	x	
12	Binary Value	Presence of Recirculation Probe		0 = no presence 1 = presence	x	
13	Binary Value	Presence of Storage Probe		0 = no presence 1 = presence	x	
14	Analog Input	Mixing Temperature	62 - °C 64 - °F (as selected on device)		x	
15	Analog Input	Recirculation Temperature	62 - °C 64 - °F (as selected on device)		x	
16	Analog Input	Storage Temperature	62 - °C 64 - °F (as selected on device)		x	
17	Analog Value	Mixing Temperature Set	62 - °C 64 - °F (as selected on device)	Admitted value 20-85 [°C] 70-185 [°F]	x	x
18	Binary Value	Disinfection Enabled	95 - No Unit	0 = disabled 1 = enabled	x	
19	Binary Value	Anticlog Enabled	95 - No Unit	0 = disabled 1 = enabled	x	
20	Binary Value	Relay 1 REC PUMP - Status	95 - No Unit	1 = closed 0 = opened	x	
21	Binary Value	Relay 2 FLUSH - Status	95 - No Unit	1 = closed 0 = opened	x	
22	Binary Value	Relay 3 SAFETY VALVE - Status	95 - No Unit	1 = closed 0 = opened	x	
23	Binary Value	Relay 4 AUX - Status	95 - No Unit	1 = closed 0 = opened	x	
24	Binary Value	Relay 5 ALARM - Status	95 - No Unit	1 = closed 0 = opened	x	
-	Object Network Port	Network_Port_0	-	Network_Port_0	x	

BACnet Device ID: as default is the lower part of the serial number (excluding checksum).

Example.

SN: 0000-0024-5000-1234-9

BACnet Device ID: 50001234

BACnet Device ID can be changed by writing the Object_Identifier property of the Device_Object (range is 0-4194303)

BACnet Device Name: default is the whole serial number (including checksum).

Example.

SN: 0000-0024-5000-1234-9

BACnet Device Name: 0000-0024-5000-1234-9

BACnet Device ID can be changed by writing the Object_Name property of the Device_Object (Maximum length is 21 characters)

BACnet IP mode (Normal/Foreign) can be set by writing the corresponding property on the Network_Port standard object.

BBMD IP address, BBMD IP Port and BBMD subscription time can be set by writing the corresponding properties in the Network_Port standard object only if BACnet IP is selected as communication protocol and only if Foreign Mode is enabled.

Max Info frames property can be changed by writing the corresponding property in the Network_port standard object only if BACnet MSTP is selected as communication protocol.

* see the "Instruction sheet" H0013291 - Quick start guide.

