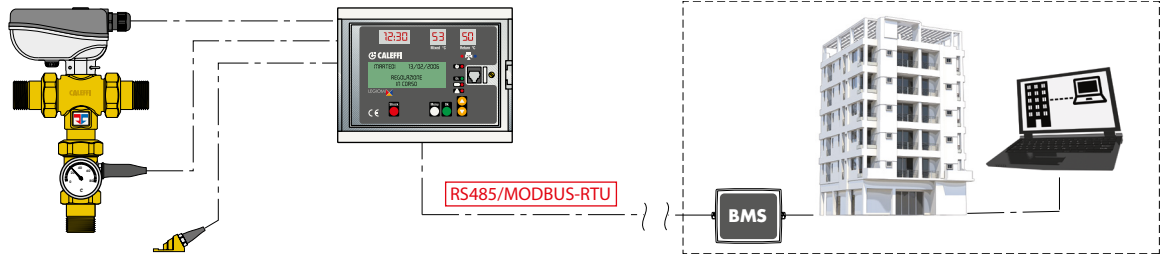


## Register LEGIOMIX® - 6000 series

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REG	REG (hex)	DESCRIPTION	VALUE	FUNCTION	
				0x03	0x06
0	0000	Product type Code to define the product	6001		X
1	0001	BUS address	1...247		X
2	0002	T mix	(°C)		X
3	0003	T rec	(°C)		X
4	0004	T mix	(°F)		X
5	0005	T rec	(°F)		X
6	0006	STATUS	0= - 1= regulation 2= disinfection 3= flushing 4= thermal shock 5= alarm		X
7	0007	PROGRAM	0= Program 0 1= Program 1A 2= Program 1B 3= Program 2		X X
8	0008	DAY	1...31		X X
9	0009	MONTH	1...12		X X
10	000A	YEAR	2017...		X X
11	000B	HOUR	0...23		X X
12	000C	MINUTE	0...59		X X
13	000D	LANGUAGE	0= IT 1= EN 2= FR 3= DE 4= ES 5= P 6= NL 7= SL 8= HR 9= SR 10= RO		X X
14	000E	TIME ON - h (Disinfection start hour)	0...23		X X
15	000F	TIME ON - min (Disinfection start minute)	0...59		X X
16	0010	TIME OFF - h (Disinfection stop hour)	0...23		X X
17	0011	TIME OFF - min (Disinfection stop minute)	0...59		X X
18	0012	TIME wait (time read ing recirc. Temp.)	1...255 (min)		X X
19	0013	TIME min (MINIMUM DISINFECTION TIME)	0...254 (min)		X X
20	0014	TIME flux (after ending the disinfection)	0...2550 (sec)		X X
21	0015	TIME shock (time of duration shock)	1...4320 (min)		X X
22	0016	SET REG - mixing regulation set temperature	20...85 (°C)		X X
23	0017	SET DIS - disinfection set temperature	40...85 (°C)		X X
24	0018	SET REC - recirculation set temperature	40...85 (°C)		X X
25	0019	SET SHOCK - shock set temperature	30...85 (°C)		X X
26	001A	SET Tmax - Maximum limit of range set temperature	50...90 (°C)		X X
27	001B	SET REG - mixing regulation set temperature	68...185 (°F)		X X
28	001C	SET DIS - disinfection set temperature	104...185 (°F)		X X
29	001D	SET REC - recirculation set temperature	104...185 (°F)		X X
30	001E	SET SHOCK - shock set temperature	86...185 (°F)		X X
31	001F	SET Tmax - Maximum limit of range set temperature	122...194 (°F)		X X
32	0020	Daily disinfection	b5= Monday b4= Tuesday b3= Wednesday b2= Thursday b1= Friday b0= Saturday b6= Sunday		X X

REG	REG (hex)	DESCRIPTION	VALUE				FUNCTION	
							0x03	0x06
33	0021	Active functions	b0: Presence of recirc. probe b1: Anticlog b2:0 b3:0 = Legal hour OFF - b4: Internatiol System of Unit b5: LED display enable	b2:1 b3:0 = Legal hour EU	b2:0 b3:1 = Legal hour US	b2:1 b3:1 = Legal hour CUST	X	X
34	0022	Forced activities	b0= Shock activation b1= Pin-code reset b2= Disinfection reset b3= Alarm reset b4= Historical data reset					X
35	0023	TIME motor - from close to full open	8...320 (sec)				X	X
36	0024	TIME play - delay of time of actuator	1...255 (sec)				X	X
37	0025	START Sunday legal hour	-3...3				X	X
38	0026	START Month legal hour	1...12				X	X
39	0027	END Sunday legal hour	-3...3				X	X
40	0028	END Month legal hour	1...12				X	X

#### Transmission

Protocol type	BUS	Baud rate	Data bit	Parity	Stop bit
MODBUS-RTU	RS-485	9600	8	NONE	1

#### MODBUS functions:

##### Function 0x03 - Read Holding Registers

Used to read one or more parameters (the size of every parameter is 16 bit)

The frame has the following structure:

dev. Addr.	func	start addr H	start addr L	N.regs H	N.regs L	CRC16H	CRC16L
HH	03	HH	HH	00	HH	HH	HH

dev. Addr. - Address of the device on the RS485 net (1-247)

Func - Function code = 3

start addr H - MSByte of the address of the parameter;

start addr L - LSByte of the address of the parameter

N.regs H - MSByte of the number of registers to read (always 0)

N.regs L - LSByte of the number of registers to read

CRC16H - MSByte of CRC16

CRC16L - LSByte of CRC16

If during a multiple reading request, is specified a not allowed quantity of registers, the device will answer with an exception code 0x02 (ILLEGAL DATA ADDRESS).

##### Function 0x06 - Write Single Register

Used to write a single parameter ( 16 bit )

The frame has the following structure:

dev. Addr.	func	Reg.addr H	Reg.addr L	Reg. val. H	Reg. val. L	CRC16H	CRC16L
HH	06	HH	HH	HH	HH	HH	HH

dev. Addr. - Address of the device on the RS485 net (1-247)

Func - Function code = 6

Reg. addr H - MSByte of the address of the parameter

Reg. addr L - LSByte of the address of the parameter

Reg. val. H - MSByte of the value of the parameter

Reg. val. L - LSByte of the value of the parameter

CRC16H - MSByte of CRC16

CRC16L - LSByte of CRC16

The specified value is not accepted (exception code 2) if it is not consistent with the parameter range or if it is not consistent with the current state of the device (e.g. day = 31 rejected if month = 4, month = 4 rejected if day = 31).