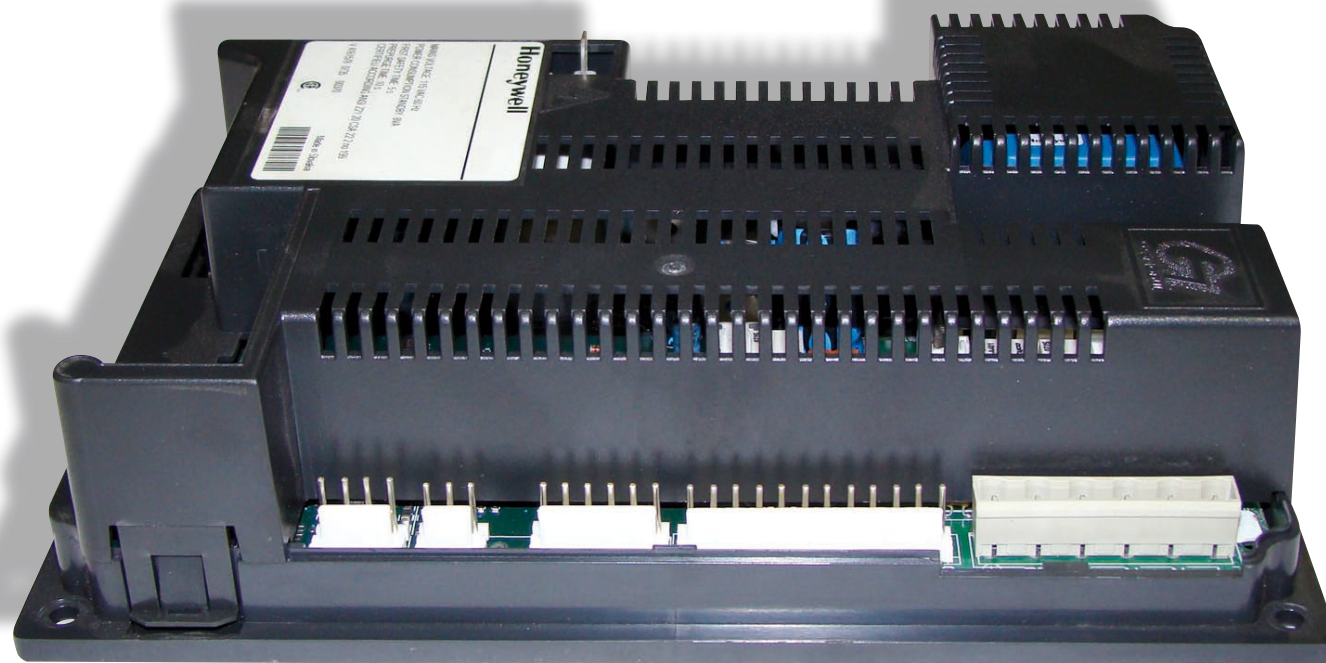


INSTRUCTION FOR THE INSTALLER : **MCBA-5**

Prestige Solo 24 - 32 - 50 - 75 - 120

Prestige Excellence 24 - 32



excellence in hot water

MCBA PARAMETERS FOR THE USER

Display MCBA 5	Description of the parameters	Factory setting						
		Prestige						
		24 Solo	32 Solo	24 Excellence	32 Excellence	50 Solo	75 Solo	120 Solo
	Adjusting the hot water temperature.							
	Production of hot water. 00 = Stop 01 = Start							
	Turn On/Turn Off the heating. 00 = Stop 01 = Start							
	Maximum temperature in Central Heating mode.							

MCBA PARAMETERS FOR THE INSTALLER

Display MCBA 5	Description of the parameters		Factory setting							
			Prestige							
			24 Solo	32 Solo	24 Excellence	32 Excellence	50 Solo	75 Solo	120 Solo	
P. 10	Minimum central heating temperature when using an outdoor sensor.		20	20	20	20	20	20	20	20
P. 11	Minimum outdoor temperature [adjust the heating curve].		-10	-10	-10	-10	-10	-10	-10	-10
P. 12	Maximum outdoor temperature [adjust the heating curve].		18	18	18	18	18	18	18	18
P. 15	Maximum temperature for the start heating curve for the 2nd circuit.		50	50	50	50	50	50	50	50
P. 16	Minimum temperature for the start heating curve for the 2nd circuit.		20	20	20	20	20	20	20	20
P. 22	Maximum number of fan revolutions in CH mode [rpm x 100].	Natural gas	43	63	43	63	56	65	62	
		Propane	47	65	47	65	53	65	59	
P. 24	Max. number of fan revolutions in domestic hot water mode [rpm x 100].	Natural gas	43	63	43	63	56	65	62	
		Propane	47	65	47	65	53	65	59	
P. 26	Minimum number of fan revolutions [rpm x 100].	Natural gas	15	15	15	15	17	17	15	
		Propane	20	20	20	20	20	20	20	
P. 45	first position: 2nd heating circuit: 0 = disabled 1= enabled [slave] 2 = enabled [master]	Second position: the demand for heat comes from: 0 = the room thermostat 1 = the outdoor sensor	00	00	00	00	00	00	00	
P. 46	First position: Domestic hot water pump [1] or three-way mixer tap [2]	Second position: tank with NTC3 probe [2] or tank with thermostat (3)	13	13	12	12	13	13	13	

MCBA BLOKING AND ERROR CODES

Codes	Description of the fault	Resolution of the fault
E800	Abnormal flame signal	1. Check the wiring (short-circuit in the 24V wiring) / 2. Check the electrode / 3. Replace the MCBA (water damage)
E802	No flame signal after five attempts at firing the boiler	1. Check the ignition cable / 2. Check the electrode and the position of the electrode / 3. Check that there is gas at the burner
E803	Rectifier or gas valve error	Replace the rectifier or gas valve
E804	Persistent lock	Press "RESET"
E805	No processor handshake	1. Check electrode gap / 2. Check electrode gap resistance
E806	Input fault detected	Check the input and RESET the MCBA
E807	Gas valve relay error	If the problem persists after two RESET attempts, replace the MCBA
E808	Air Pressure Switch did not close	Check the air pressure switch
E811	EPROM error	If the problem persists after two RESET attempts, replace the MCBA Si le problème persiste après deux tentatives de "RESET", remplacez le MCBA
E812	Max input, thermostat open or 24V fuse gone	1. Check the high limit / 2. Check the 24V fuse on the MCBA / 3. Shunt 12-13 missing
E813 ↓ E817	Internal error	If the problem persists after two RESET attempts, replace the MCBA
E818	T1 > 110°C	1. Check the NTC sensor wiring and replace if necessary / 2. If NTC1 is OK, please verify that the water flows through the boiler
E819	T2 > 110°C	Check the NTC sensor wiring and replace if necessary
b824	NTC1 and NTC2 sensor changed the place	Change the place of NTC1 and NTC2 sensor
E825	T1 gradient too high	1. Check that the pump is turning / 2. If there is no problem with the pump, drain the system

MCBA BLOKING AND ERROR CODES

Codes	Description of the fault	Resolution of the fault
	Minimum gas pressure switch or water pressure switch opened	Check the gas pressure switch or the water pressure switch
	No fan signal present	1. Check the fan control connection / 2. Check the fan wiring / 3. If the problem persists after two RESET attempts, replace the fan and / or the MCBA
	The tacho signal of the blower doesn't go to zero	1. Check that the convection flow through the chimney is not high enough to rotate the blower / 2. If not, exchange the blower
	Maximal difference T1 – T2 exceeded	Check the water flow rate
	NTC1 short-circuit	1. Check the connection of the NTC1 sensor / 2. Check the wiring of the NTC1 sensor / 3. If the problem persists, replace the NTC1 sensor
	NTC2 short-circuit	1. Check the connection of the NTC2 sensor / 2. Check the wiring of the NTC2 sensor / 3. If the problem persists, replace the NTC2 sensor
	NTC3 short-circuit	1. Check the connection of the NTC3 sensor / 2. Check the wiring of the NTC3 sensor / 3. If the problem persists, replace the NTC3 sensor
	NTC5 short-circuit	1. Check the connection of the NTC5 sensor / 2. Check the wiring of the NTC5 sensor / 3. If the problem persists, replace the NTC5 sensor
	NTC1 open	1. Check the connection of the NTC1 sensor / 2. Check the wiring of the NTC1 sensor / 3. If the problem persists, replace the NTC1 sensor
	NTC2 open	1. Check the connection of the NTC2 sensor / 2. Check the wiring of the NTC2 sensor / 3. If the problem persists, replace the NTC2 sensor
	NTC3 open	1. Check the connection of the NTC3 sensor / 2. Check the wiring of the NTC3 sensor / 3. If the problem persists, replace the NTC3 sensor
	NTC5 open	1. Check the connection of the NTC5 sensor / 2. Check the wiring of the NTC5 sensor / 3. If the problem persists, replace the NTC5 sensor
	Parameter values in EPROM values out of range	If the problem persists after two RESET attempts, reprogram the MCBA
	Internal error	If the problem persists after two RESET attempts, replace the MCBA.
	Flue gas temperature too high (NTC5)	1. Check the connection of the NTC5 sensor / 2. Check the wiring of the NTC5 sensor / 3. If the problem persists, replace the NTC5 sensor
	Error while reading the parameters	1. Press "RESET" / 2. If the error persists, replace the MCBA.

MCBA BLOKING AND ERROR CODES

Codes	Description of the fault	Resolution of the fault
E 8 6 1	Air Pressure Switch closed when it should open	Check the air pressure switch
b 8 6 2	Low water pressure	Check the water pressure
b 8 6 5	Fan speed not within the dead band	1. Check the MCBA power supply voltage / 2. If it is OK, replace the fan.
E 8 8 3	NTC6 temperature too high	Check the 3-ways valve and the motor
E 1 1 3	No valid mains frequency detected	Check the network frequency
E 1 1 4	Invalid or conflicting cascade address	Check the cascade address
E 1 1 5	Internal error	If the problem persists after two RESET attempts, replace the MCBA.
b 1 1 6	Mains frequency deviation > 1,5 Hz or processor oscillator error	Check the network frequency
b 1 1 7	Air pressure switch opened during burner ON	Check the air pressure switch
b 1 1 8	Flame current lost during burner ON	Measure the ionisation current
b 1 1 9	Minimum gas pressure switch opened during burner ON	Check the gas pressure switch
E 1 2 2	Drift of sensor NTC1 or NTC2	Check sensor NTC1 and NTC2
E 1 2 3	Crack of sensor NTC1 or NTC2	Check sensor NTC1 and NTC2
E 1 2 4	Stuck-at error of sensor NTC1	Check sensor NTC1 and NTC2