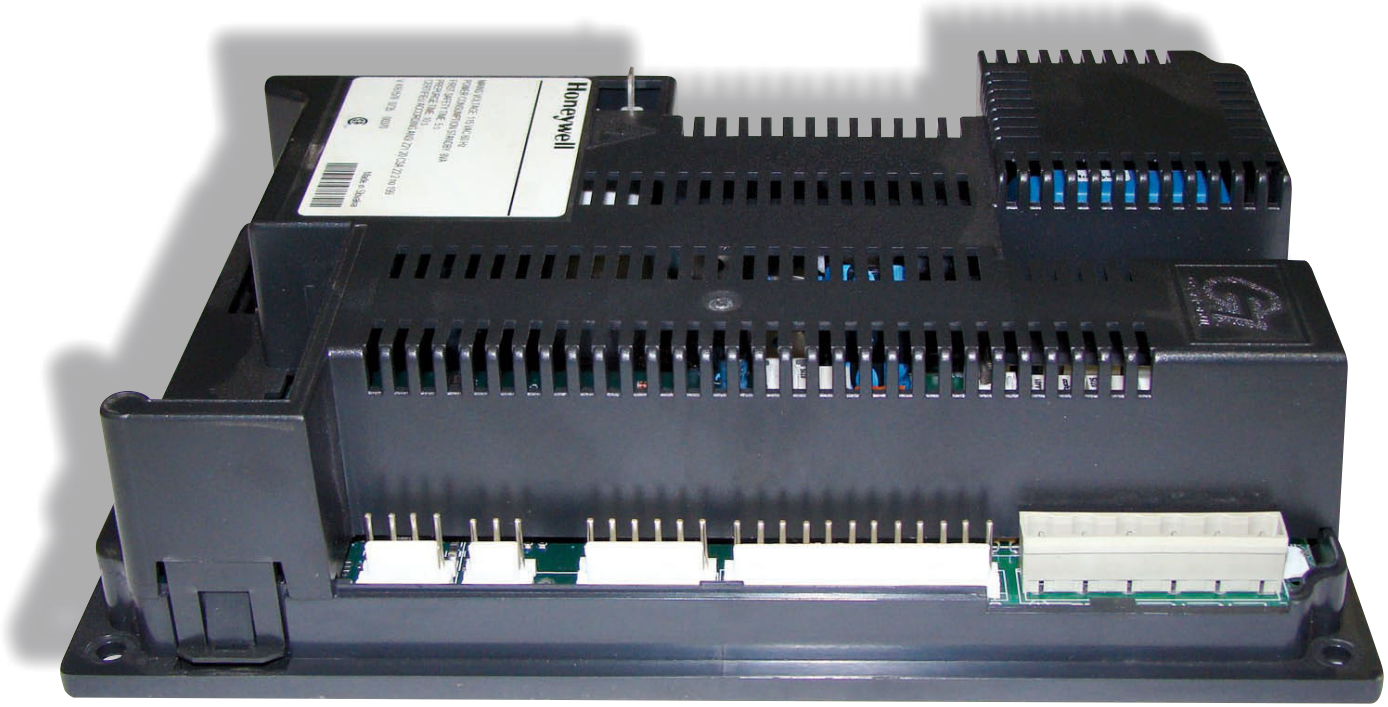
INSTRUCTION FOR THE INSTALLER : *MCBA-5*

Prestige Solo 24 - 32 - 50 - 75 - 120

Prestige Excellence 24 - 32



ISO 9001

ACV

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
1.67	Adjusting the hot water temperature.	1.60	1.60	1.60	1.60	1.60	1.60	1.60
2.01	Production of hot water. **00** = Stop **01** = Start	2.00	2.00	2.01	2.01	2.00	2.00	2.00
3.01	Turn On/Turn Off the heating. **00** = Stop **01** = Start	3.01	3.01	3.01	3.01	3.01	3.01	3.01
4.70	Maximum temperature in Central Heating mode.	4.85	4.85	4.85	4.85	4.85	4.85	4.85

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
P.11	Minimum outdoor temperature [adjust the heating curve].		.-10	.-10	.-10	.-10	.-10	.-10	.-10
P.12	Maximum outdoor temperature [adjust the heating curve].		.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
P.16	Minimum temperature for the start heating curve for the 2nd circuit.		.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
E 00	Abnormal flame signal	1. Check the wiring (short-circuit in the 24V wiring) / 2. Check the electrode / 3. Replace the MCBA (water damage)
E 02	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
E 03	Rectifier or gas valve error	Replace the rectifier or gas valve
E 04	Persistent lock	Press “RESET”
E 05	No processor handshake	1. Check electrode gap / 2. Check electrode gap resistence
E 06	Input fault detected	Check the input and RESET the MCBA
E 07	Gas valve relay error	If the problem persists after two RESET attempts, replace the MCBA
E 08	Air Pressure Switch did not close	Check the air pressure switch
E 11	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
E 12	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
E 13 ↓ E 17	Internal error	If the problem persists after two RESET attempts, replace the MCBA
E 18	T1 > 110°C	1. Check the NTC sensor wiring and replace if necessary / 2. If NTC1 is OK, please verify that the water flows trough the boiler
E 19	T2 > 110°C	Check the NTC sensor wiring and replace if necessary
b 24	NTC1 and NTC2 sensor changed the place	Change the place of NTC1 and NTC2 sensor
E 25	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
b 26	Minimum gas pressure switch or water pressure switch opened	Check the gas pressure switch or the water pressure switch
E 28	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
E 29	The tacho signal of the blower does'nt 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
E 30	Maximal difference T1 – T2 exceeded	Check the water flow rate
E 31	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
E 32	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
E 33	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
E 35	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
E 36	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
E 37	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
E 38	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
E 40	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
b 43	Parameter values in EPROM values out of range	If the problem persists after two RESET attempts, reprogram the MCBA
E 44	Internal error	If the problem persists after two RESET attempts, replace the MCBA.
E 52	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
E 60	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
E061	Air Pressure Switch closed when it should open	Check the air pressure switch
b062	Low water pressure	Check the water pressure
b065	Fan speed not within the dead band	1. Check the MCBA power supply voltage / 2. If it is OK, replace the fan.
E083	NTC6 temperature too high	Check the 3-ways valve and the motor
E113	No valid mains frequency detected	Check the network frequency
E114	Invalid or conflicting cascade address	Check the cascade eddress
E115	Internal error	If the problem persists after two RESET attempts, replace the MCBA.
b116	Mains frequency deviation > 1,5 Hz or processor oscillator error	Check the network frequency
b117	Air pressure switch opened during burner ON	Check the air pressure switch
b118	Flame current lost during burner ON	Measure the ionisation current
b119	Minimum gas pressure switch opened during burner ON	Check the gas pressure switch
E122	Drift of sensor NTC1 or NTC2	Check sensor NTC1 and NTC2
E123	Crack of sensor NTC1 or NTC2	Check sensor NTC1 and NTC2
E124	Stuck-at error of sensor NTC1	Check sensor NTC1 and NTC2