

Field settings table[8.7.5] = **0221****Applicable indoor units**

EHBX04EA6V	EHVH04S18EJ6V
EHBX08EA6V	EHVH04S23EJ6V
EHBX08EA9W	EHVH08S18EJ6V
EHBH04EA6V	EHVH08S18EJ9W
EHBH08EA6V	EHVH08S23EJ6V
EHBH08EA9W	EHVH08S23EJ9W
EHVX04S18EA3V	EHVX04S18EJ3V
EHVX04S18EA6V	EHVX04S23EJ3V
EHVX04S23EA3V	EHVX04S18EJ6V
EHVX04S23EA6V	EHVX04S23EJ6V
EHVX08S18EA6V	EHVX08S18EJ6V
EHVX08S18EA9W	EHVX08S23EJ6V
EHVX08S23EA6V	EHVX08S18EJ9W
EHVX08S23EA9W	EHVX08S23EJ9W
EHVX04S18EA6VG	EHVH04SU18EA6V
EHVX04S23EA6VG	EHVH04SU23EA6V
EHVX08S18EA6VG	EHVH08SU18EA6V
EHVX08S23EA6VG	EHVH08SU23EA6V
EHVH04S18EA6V	
EHVH04S23EA6V	
EHVH08S18EA6V	
EHVH08S18EA9W	
EHVH08S23EA6V	
EHVH08S23EA9W	

Notes

- (*1) *3V
- (*2) *6V
- (*3) *9W
- (*4) EHB*
- (*5) EHV*
- (*6) *X*
- (*7) *H*

Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
Room						
	└ Antifrost					
1.4.1	[2-06]	Activation	R/W	0: Disabled 1: Enabled		
1.4.2	[2-05]	Room setpoint	R/W	4-16°C, step: 1°C 12°C		
	└ Setpoint range					
1.5.1	[3-07]	Heating minimum	R/W	12-18°C, step: 1°C 12°C		
1.5.2	[3-06]	Heating maximum	R/W	18-30°C, step: 1°C 30°C		
1.5.3	[3-09]	Cooling minimum	R/W	15-25°C, step: 1°C 15°C		
1.5.4	[3-08]	Cooling maximum	R/W	25-35°C, step: 1°C 35°C		
Room						
1.6	[2-09]	Room sensor offset	R/W	-5-5°C, step: 0,5°C 0°C		
1.7	[2-0A]	Room sensor offset	R/W	-5-5°C, step: 0,5°C 0°C		
	└ Room comfort setpoint					
1.9.1	[9-0A]	Heating comfort setpoint	R/W	[3-07]~[3-06]°C, step: 0,5°C 23°C		
1.9.2	[9-0B]	Cooling comfort setpoint	R/W	[3-09]~[3-08]°C, step: 0,5°C 23°C		
Main zone						
2.4		Setpoint mode		0: Fixed 1: WD heating, fixed cooling 2: Weather dependent		
	└ Heating WD curve					
2.5	[1-00]	Low ambient temp. for LWT main zone heating WD curve.	R/W	-40-5°C, step: 1°C -10°C		
2.5	[1-01]	High ambient temp. for LWT main zone heating WD curve.	R/W	10-25°C, step: 1°C 15°C		
2.5	[1-02]	Leaving water value for low ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]-[9-00], step: 1°C 35°C		
2.5	[1-03]	Leaving water value for high ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]-min(45, [9-00])°C, step: 1°C 25°C		
	└ Cooling WD curve					
2.6	[1-06]	Low ambient temp. for LWT main zone cooling WD curve.	R/W	10-25°C, step: 1°C 20°C		
2.6	[1-07]	High ambient temp. for LWT main zone cooling WD curve.	R/W	25-43°C, step: 1°C 35°C		
2.6	[1-08]	Leaving water value for low ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]-[9-02]°C, step: 1°C 22°C		
2.6	[1-09]	Leaving water value for high ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]-[9-02]°C, step: 1°C 18°C		
Main zone						
2.7	[2-0C]	Emitter type	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator		
	└ Setpoint range					
2.8.1	[9-01]	Heating minimum	R/W	15-37°C, step: 1°C 25°C		
2.8.2	[9-00]	Heating maximum	R/W	[2-0C]=2: 37-65, step: 1°C 55°C [2-0C]≠2: 37-55, step: 1°C 55°C		
2.8.3	[9-03]	Cooling minimum	R/W	5-18°C, step: 1°C 5°C		
2.8.4	[9-02]	Cooling maximum	R/W	18-22°C, step: 1°C 22°C		
Main zone						
2.9	[C-07]	Control	R/W	0: LWT control 1: Ext RT control 2: RT control		
2.A	[C-05]	Thermostat type	R/W	0: - 1: 1 contact 2: 2 contacts		
	└ Delta T					
2.B.1	[1-0B]	Delta T heating	R/W	3-10°C, step: 1°C 5°C		
2.B.2	[1-0D]	Delta T cooling	R/W	3-10°C, step: 1°C 5°C		
	└ Modulation					
2.C.1	[8-05]	Modulation	R/W	0: No 1: Yes		
2.C.2	[8-06]	Max modulation	R/W	0-10°C, step: 1°C 5°C		
	└ Shut off valve					
2.D.1	[F-0B]	During thermo	R/W	0: No 1: Yes		
2.D.2	[F-0C]	During cooling	R/W	0: No 1: Yes		
Additional zone						
3.4		Setpoint mode		0: Fixed 1: WD heating, fixed cooling 2: Weather dependent		
	└ Heating WD curve					
3.5	[0-00]	Leaving water value for high ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-min(45, [9-06])°C, step: 1°C 35°C		
3.5	[0-01]	Leaving water value for low ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-[9-06]°C, step: 1°C 50°C		
3.5	[0-02]	High ambient temp. for LWT add zone heating WD curve.	R/W	10-25°C, step: 1°C 15°C		
3.5	[0-03]	Low ambient temp. for LWT add zone heating WD curve.	R/W	-40-5°C, step: 1°C -10°C		
	└ Cooling WD curve					
3.6	[0-04]	Leaving water value for high ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C 8°C		

Field settings table				Installer setting at variance with default value	
Breadcrumb	Field code	Setting name	Range, step	Date	Value
			Default value		
3.6	[0-05]	Leaving water value for low ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C	
3.6	[0-06]	High ambient temp. for LWT add zone cooling WD curve.	R/W	25-43°C, step: 1°C	
3.6	[0-07]	Low ambient temp. for LWT add zone cooling WD curve.	R/W	10-25°C, step: 1°C	
Additional zone					
3.7	[2-0D]	Emitter type	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator	
Setpoint range					
3.8.1	[9-05]	Heating minimum	R/W	15-37°C, step: 1°C	
3.8.2	[9-06]	Heating maximum	R/W	[2-0D]=2: 37-65, step: 1°C 55°C [2-0D]≠2: 37-55, step: 1°C 55°C	
3.8.3	[9-07]	Cooling minimum	R/W	5-18°C, step: 1°C	
3.8.4	[9-08]	Cooling maximum	R/W	18-22°C, step: 1°C	
Additional zone					
3.A	[C-06]	Thermostat type	R/W	0: - 1: 1 contact 2: 2 contacts	
Delta T					
3.B.1	[1-0C]	Delta T heating	R/W	3-10°C, step: 1°C	
3.B.2	[1-0E]	Delta T cooling	R/W	3-10°C, step: 1°C	
Space heating / cooling					
Operation range					
4.3.1	[4-02]	Space heating OFF temp	R/W	14-35°C, step: 1°C	
4.3.2	[F-01]	Space cooling OFF temp	R/W	10-35°C, step: 1°C	
Space heating / cooling					
4.4	[7-02]	Number of zones	R/W	0: 1 LWT zone 1: 2 LWT zones	
4.5	[F-0D]	Pump operation mode	R/W	0: Continuous 1: Sample 2: Request	
4.6	[E-02]	Unit type	R/W (*6) R/O (*7)	0: Reversible (*6) 1: Heating only (*7)	
4.7	[9-0D]	Pump limitation	R/W	0-8, step:1 0: No limitation 1-4 : 50-80% 5-8 : 50-80% during sampling 6	
Space heating / cooling					
4.9	[F-00]	Pump outside range	R/W	0: Restricted 1: Allowed	
4.A	[D-03]	Increase around 0°C	R/W	0: No 1: increase 2°C, span 4°C 2: increase 4°C, span 4°C 3: increase 2°C, span 8°C 4: increase 4°C, span 8°C	
4.B	[9-04]	Overshoot	R/W	1-4°C, step: 1°C	
4.C	[2-06]	Antifrost	R/W	0: Disabled 1: Enabled	
Tank					
5.2	[6-0A]	Comfort setpoint	R/W	30-[6-0E]°C, step: 1°C	
5.3	[6-0B]	Eco setpoint	R/W	30-min(50, [6-0E])°C, step: 1°C	
5.4	[6-0C]	Reheat setpoint	R/W	30-min(50, [6-0E])°C, step: 1°C	
5.6	[6-0D]	Heat up mode	R/W	0: Reheat only 1: Reheat + sched. 2: Scheduled only	
Disinfection					
5.7.1	[2-01]	Activation	R/W	0: No 1: Yes	
5.7.2	[2-00]	Operation day	R/W	0: Each day 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday	
5.7.3	[2-02]	Start time	R/W	0-23 hour, step: 1 hour	
5.7.4	[2-03]	Tank setpoint	R/W	[E-07]≠1 : 55-75°C, step: 5°C 70°C [E-07]=1 : 60°C 60°C	
5.7.5	[2-04]	Duration	R/W	[E-07]≠1: 5-60 min, step: 5 min 10 min [E-07]=1: 40-60 min, step: 5 min 40 min	
Tank					
5.8	[6-0E]	Maximum	R/W	(*4) : 40-75°C, step: 1°C 60°C [E-07]=0 (*4) : 40-80°C, step: 1°C 80°C [E-07]=5 (*5) : 40-60°C, step: 1°C 60°C	
5.9	[6-00]	Hysteresis	R/W	2-40°C, step: 1°C	
				25°C	

(*1) *3V_(*2) *6V_

(*3) *9W_(*4) EHB*_

(*5) EHV*_

(*6) *X_(*7) *H*

(#) Setting is not applicable for this unit.

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Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
5.A	[6-08]	Hysteresis	R/W	2~20°C, step: 1°C 10°C		
5.B		Setpoint mode	R/W	0: Fixed 1: Weather dependent		
└─ WD curve						
5.C	[0-0B]	Leaving water value for high ambient temp. for DHW WD curve.	R/W	35~[6-0E]°C, step: 1°C 55°C		
5.C	[0-0C]	Leaving water value for low ambient temp. for DHW WD curve.	R/W	45~[6-0E]°C, step: 1°C 60°C		
5.C	[0-0D]	High ambient temp. for DHW WD curve.	R/W	10~25°C, step: 1°C 15°C		
5.C	[0-0E]	Low ambient temp. for DHW WD curve.	R/W	-40~5°C, step: 1°C -10°C		
Tank						
5.D	[6-01]	Margin	R/W	0~10°C, step: 1°C 2°C		
User settings						
└─ Quiet						
7.4.1		Activation	R/W	0: OFF 1: Quiet 2: More quiet 3: Most quiet 4: Automatic		
└─ Electricity price						
7.5.1		High	R/W	0.00~990/kWh 1/kWh		
7.5.2		Medium	R/W	0.00~990/kWh 1/kWh		
7.5.3		Low	R/W	0.00~990/kWh 1/kWh		
User settings						
7.6		Gas price	R/W	0.00~990/kWh 0.00~290/MBtu 1.0/kWh		
Installer settings						
└─ Configuration wizard						
└─ System						
9.1	[E-03]	BUH type	R/O	2: 3V (*1) 3: 6V (*2) 4: 9W (*3)		
9.1	[E-05] [E-06] [E-07]	Domestic hot water	R/W	0: No DHW (*4) 2: EKHV (*4) 3: Integrated (*5) 7: EKHWP (*4)		
9.1	[4-06]	Emergency	R/W	0: Manual 1: Automatic(normal SH/DHW ON) 2: Auto red SH/DHW ON 3: Auto red SH/DHW OFF 4: SH ON/DHW OFF		
9.1	[7-02]	Number of zones	R/W	0: Single zone 1: Dual zone		
└─ Backup heater						
9.1	[5-0D]	Voltage	R/W (*2) R/O (*1) (*3)	0: 230V, 1~ (*1) (*2) 1: 230V, 3~ (*2) 2: 400V, 3~ (*3)		
9.1	[4-0A]	Configuration	R/W	0: 1 (*1) 1: 1/1+2 (*2) (*3) 2: 1/2 3: 1/2 + 1/1+2 in emergency		
9.1	[6-03]	Capacity step 1	R/W	0~10kW, step: 0.2kW 2kW (*2) 3kW (*1) (*3)		
9.1	[6-04]	Additional capacity step 2	R/O (*1) R/W (*2) (*3)	0~10kW, step: 0.2kW 0kW (*1) 4kW (*2) 6kW (*3)		
└─ Main zone						
9.1	[2-0C]	Emitter type	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator		
9.1	[C-07]	Control	R/W	0: LWT control 1: Ext RT control 2: RT control		
9.1		Setpoint mode	R/W	0: Fixed 1: WD heating, fixed cooling 2: Weather dependent		
9.1		Schedule	R/W	0: No 1: Yes		
9.1	[1-00]	Low ambient temp. for LWT main zone heating WD curve.	R/W	-40~5°C, step: 1°C -10°C		
9.1	[1-01]	High ambient temp. for LWT main zone heating WD curve.	R/W	10~25°C, step: 1°C 15°C		
9.1	[1-02]	Leaving water value for low ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]~[9-00], step: 1°C 35°C		
9.1	[1-03]	Leaving water value for high ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]~min(45, [9-00])°C, step: 1°C 25°C		
9.1	[1-06]	Low ambient temp. for LWT main zone cooling WD curve.	R/W	10~25°C, step: 1°C 20°C		
9.1	[1-07]	High ambient temp. for LWT main zone cooling WD curve.	R/W	25~43°C, step: 1°C 35°C		
9.1	[1-08]	Leaving water value for low ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]~[9-02]°C, step: 1°C 22°C		
9.1	[1-09]	Leaving water value for high ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]~[9-02]°C, step: 1°C 18°C		
└─ Additional zone						
9.1	[2-0D]	Emitter type	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator		
9.1		Setpoint mode	R/W	0: Fixed 1: WD heating, fixed cooling 2: Weather dependent		
9.1		Schedule	R/W	0: No 1: Yes		

(*1) *3V_(*2) *6V_
(*3) *9W_(*4) EHB*_
(*5) EHV*_
(*6) *X_(*7) *H*

Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
9.1	[0-00]	Leaving water value for high ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-min(45,[9-06])°C, step: 1°C 35°C		
9.1	[0-01]	Leaving water value for low ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-[9-06]°C, step: 1°C 50°C		
9.1	[0-02]	High ambient temp. for LWT add zone heating WD curve.	R/W	10~25°C, step: 1°C 15°C		
9.1	[0-03]	Low ambient temp. for LWT add zone heating WD curve.	R/W	-40~5°C, step: 1°C -10°C		
9.1	[0-04]	Leaving water value for high ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C 8°C		
9.1	[0-05]	Leaving water value for low ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C 12°C		
9.1	[0-06]	High ambient temp. for LWT add zone cooling WD curve.	R/W	25~43°C, step: 1°C 35°C		
9.1	[0-07]	Low ambient temp. for LWT add zone cooling WD curve.	R/W	10~25°C, step: 1°C 20°C		
└ Tank						
9.1	[6-0D]	Heat up mode	R/W	0: Reheat only 1: Reheat + sched. 2: Scheduled only		
9.1	[6-0A]	Comfort setpoint	R/W	30-[6-0E]°C, step: 1°C 60°C		
9.1	[6-0B]	Eco setpoint	R/W	30-min(50, [6-0E])°C, step: 1°C 45°C		
9.1	[6-0C]	Reheat setpoint	R/W	30-min(50, [6-0E])°C, step: 1°C 45°C		
└ Domestic hot water						
9.2.1	[E-05] [E-06] [E-07]	Domestic hot water	R/W	0: No DHW (*4) 2: EKHW (*4) 3: Integrated (*5) 7: EKHWP (*4)		
9.2.2	[D-02]	DHW pump	R/W	0: No 1: Secondary rtrn 2: Disinf. Shunt		
9.2.4	[D-07]	Solar	R/W	0: No 1: Yes		
└ Back up heater						
9.3.1	[E-03]	BUH type	R/O	2: 3V (*1) 3: 6V (*2) 4: 9W (*3)		
9.3.2	[5-0D]	Voltage	R/W (*2) R/O (*1) (*3)	0: 230V, 1~ (*1) (*2) 1: 230V, 3~ (*2) 2: 400V, 3~ (*3)		
9.3.3	[4-0A]	Configuration	R/W	0: 1 (*1) 1: 1/1+2 (*2) (*3) 2: 1/2 3: 1/2 + 1/1+2 in emergency		
9.3.4	[6-03]	Capacity step 1	R/W	0~10kW, step: 0,2kW 2kW (*2) 3kW (*1) (*3)		
9.3.5	[6-04]	Additional capacity step 2	R/O (*1) R/W (*2) (*3)	0~10kW, step: 0,2kW 0kW (*1) 4kW (*2) 6kW (*3)		
9.3.6	[5-00]	Equilibrium	R/W	0: Allowed 1: Not allowed		
9.3.7	[5-01]	Equilibrium temperature	R/W	-15~35°C, step: 1°C 0°C		
9.3.8	[4-00]	Operation	R/W	0: Disabled 1: Enabled 2: Only DHW		
└ Booster heater						
9.4.1	[6-02]	Capacity	R/W	0~10kW, step: 0,2kW 3kW (*4) 0kW (*5)		
9.4.3	[8-03]	BSH eco timer	R/W	20~95 min, step: 5 min 50 min		
9.4.4	[4-03]	Operation	R/W	0: Restricted 1: Allowed 2: Overlap 3: Compressor off 4: Legionella only		
└ Emergency						
9.5.1	[4-06]	Emergency	R/W	0: Manual 1: Automatic(normal SH/DHW ON) 2: Auto red SH/DHW ON 3: Auto red SH/DHW OFF 4: SH ON/DHW OFF		
9.5.2	[7-06]	HP Forced OFF	R/W	0: Disabled 1: Enabled		
└ Balancing						
9.6.1	[5-02]	Space heating priority	R/W	0: Disabled 1: Enabled		
9.6.2	[5-03]	Priority temperature	R/W	-15~35°C, step: 1°C 0°C		
9.6.3	[5-04]	Offset BSH setpoint	R/W	0~20°C, step: 1°C 10°C		
9.6.4	[8-02]	Anti-recycle timer	R/W	0~10 hour, step: 0,5 hour 0,5 hour [E-07]=1 3 hour [E-07]#1		
9.6.5	[8-00]	Minimum running timer	R/W	0~20 min, step 1 min 1 min		
9.6.6	[8-01]	Maximum running timer	R/W	5~95 min, step: 5 min 30 min		
9.6.7	[8-04]	Additional timer	R/W	0~95 min, step: 5 min 95 min		
Installer settings						
9.7	[4-04]	Water pipe freeze prevention		0: Intermittent 1: Continuous 2: Off		
└ Benefit kWh power supply						

(*1) *3V_(*2) *6V_
 (*3) *9W_(*4) EHB*_
 (*5) EHV*_
 (*6) *X*_(*7) *H*

(#) Setting is not applicable for this unit.

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Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name	Range, step	Default value	Date	Value
9.8.2	[D-00]	Allow heater	R/W	0: None 1: BSH only 2: BUH only 3: All heaters		
9.8.3	[D-05]	Allow pump	R/W	0: Forced off 1: As normal		
9.8.4	[D-01]	Benefit kWh power supply	R/W	0: No 1: Active open 2: Active closed 3: Smart grid		
9.8.6		Allow electric heaters		0: No 1: Yes		
9.8.8		Limit setting kW		0-20 kW, step: 0,5 kW 20 kW		
Power consumption control						
9.9.1	[4-08]	Power consumption control	R/W	0: No limitation 1: Continuous 2: Digital inputs		
9.9.2	[4-09]	Type	R/W	0: Current 1: Power		
9.9.3	[5-05]	Limit	R/W	0-50 A, step: 1 A 50 A		
9.9.4	[5-05]	Limit 1	R/W	0-50 A, step: 1 A 50 A		
9.9.5	[5-06]	Limit 2	R/W	0-50 A, step: 1 A 50 A		
9.9.6	[5-07]	Limit 3	R/W	0-50 A, step: 1 A 50 A		
9.9.7	[5-08]	Limit 4	R/W	0-50 A, step: 1 A 50 A		
9.9.8	[5-09]	Limit	R/W	0-20 kW, step: 0,5 kW 20 kW		
9.9.9	[5-09]	Limit 1	R/W	0-20 kW, step: 0,5 kW 20 kW		
9.9.A	[5-0A]	Limit 2	R/W	0-20 kW, step: 0,5 kW 20 kW		
9.9.B	[5-0B]	Limit 3	R/W	0-20 kW, step: 0,5 kW 20 kW		
9.9.C	[5-0C]	Limit 4	R/W	0-20 kW, step: 0,5 kW 20 kW		
9.9.D	[4-01]	Priority heater		0: None 1: BSH 2: BUH		
Energy metering						
9.A.1	[D-08]	Electricity meter 1	R/W	0: No 1: 0,1 pulse/kWh 2: 1 pulse/kWh 3: 10 pulse/kWh 4: 100 pulse/kWh 5: 1000 pulse/kWh		
9.A.2	[D-09]	Electricity meter 2	R/W	0: No 1: 0,1 pulse/kWh 2: 1 pulse/kWh 3: 10 pulse/kWh 4: 100 pulse/kWh 5: 1000 pulse/kWh		
Sensors						
9.B.1	[C-08]	External sensor	R/W	0: No 1: Outdoor sensor 2: Room sensor		
9.B.2	[2-0B]	Ext. amb. sensor offset	R/W	-5-5°C, step: 0,5°C 0°C		
9.B.3	[1-0A]	Averaging time	R/W	0: No averaging 1: 12 hours 2: 24 hours 3: 48 hours 4: 72 hours		
Bivalent						
9.C.1	[C-02]	Bivalent	R/W	0: No 1: Bivalent		
9.C.2	[7-05]	Boiler efficiency	R/W	0: Very high 1: High 2: Medium 3: Low 4: Very low		
9.C.3	[C-03]	Temperature	R/W	-25-25°C, step: 1°C 0°C		
9.C.4	[C-04]	Hysteresis	R/W	2-10°C, step 1°C 3°C		
Installer settings						
9.D	[C-09]	Alarm output	R/W	0: Normally open 1: Normally closed		
9.E	[3-00]	Auto restart	R/W	0: No 1: Yes		
9.F	[E-08]	Power saving function	R/W	0: Disabled 1: Enabled		
9.G		Disable protections	R/W	0: No 1: Yes		
Overview field settings						
9.I	[0-00]	Leaving water value for high ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-min(45,[9-06])°C, step: 1°C 35°C		
9.I	[0-01]	Leaving water value for low ambient temp. for LWT add zone heating WD curve.	R/W	[9-05]-[9-06]°C, step: 1°C 50°C		
9.I	[0-02]	High ambient temp. for LWT add zone heating WD curve.	R/W	10-25°C, step: 1°C 15°C		
9.I	[0-03]	Low ambient temp. for LWT add zone heating WD curve.	R/W	-40-5°C, step: 1°C -10°C		
9.I	[0-04]	Leaving water value for high ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C 8°C		
9.I	[0-05]	Leaving water value for low ambient temp. for LWT add zone cooling WD curve.	R/W	[9-07]-[9-08]°C, step: 1°C 12°C		
9.I	[0-06]	High ambient temp. for LWT add zone cooling WD curve.	R/W	25-43°C, step: 1°C 35°C		

Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
9.1	[0-07]	Low ambient temp. for LWT add zone cooling WD curve.	R/W	10~25°C, step: 1°C 20°C		
9.1	[0-0B]	Leaving water value for high ambient temp. for DHW WD curve.	R/W	35~[6-0E]°C, step: 1°C 55°C		
9.1	[0-0C]	Leaving water value for low ambient temp. for DHW WD curve.	R/W	45~[6-0E]°C, step: 1°C 60°C		
9.1	[0-0D]	High ambient temp. for DHW WD curve.	R/W	10~25°C, step: 1°C 15°C		
9.1	[0-0E]	Low ambient temp. for DHW WD curve.	R/W	-40~5°C, step: 1°C -10°C		
9.1	[1-00]	Low ambient temp. for LWT main zone heating WD curve.	R/W	-40~5°C, step: 1°C -10°C		
9.1	[1-01]	High ambient temp. for LWT main zone heating WD curve.	R/W	10~25°C, step: 1°C 15°C		
9.1	[1-02]	Leaving water value for low ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]~[9-00], step: 1°C 35°C		
9.1	[1-03]	Leaving water value for high ambient temp. for LWT main zone heating WD curve.	R/W	[9-01]~min(45, [9-00])°C, step: 1°C 25°C		
9.1	[1-04]	Weather dependent cooling of the main leaving water temperature zone.	R/W	0: Disabled 1: Enabled		
9.1	[1-05]	Weather dependent cooling of the additional leaving water temperature zone	R/W	0: Disabled 1: Enabled		
9.1	[1-06]	Low ambient temp. for LWT main zone cooling WD curve.	R/W	10~25°C, step: 1°C 20°C		
9.1	[1-07]	High ambient temp. for LWT main zone cooling WD curve.	R/W	25~43°C, step: 1°C 35°C		
9.1	[1-08]	Leaving water value for low ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]~[9-02]°C, step: 1°C 22°C		
9.1	[1-09]	Leaving water value for high ambient temp. for LWT main zone cooling WD curve.	R/W	[9-03]~[9-02]°C, step: 1°C 18°C		
9.1	[1-0A]	What is the averaging time for the outdoor temp?	R/W	0: No averaging 1: 12 hours 2: 24 hours 3: 48 hours 4: 72 hours		
9.1	[1-0B]	What is the desired delta T in heating for the main zone?	R/W	3~10°C, step: 1°C 5°C		
9.1	[1-0C]	What is the desired delta T in heating for the additional zone?	R/W	3~10°C, step: 1°C 5°C		
9.1	[1-0D]	What is the desired delta T in cooling for the main zone?	R/W	3~10°C, step: 1°C 5°C		
9.1	[1-0E]	What is the desired delta T in cooling for the additional zone?	R/W	3~10°C, step: 1°C 5°C		
9.1	[2-00]	When should the disinfection function be executed?	R/W	0: Each day 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday		
9.1	[2-01]	Should the disinfection function be executed?	R/W	0: No 1: Yes		
9.1	[2-02]	When should the disinfection function start?	R/W	0~23 hour, step: 1 hour 1		
9.1	[2-03]	What is the disinfection target temperature?	R/W	[E-07]≠1 : 55~75°C, step: 5°C 70°C [E-07]=1 : 60°C 60°C		
9.1	[2-04]	How long must the tank temperature be maintained?	R/W	[E-07]≠1: 5~60 min, step: 5 min 10 min [E-07]=1: 40~60 min, step: 5 min 40 min		
9.1	[2-05]	Room antifrost temperature	R/W	4~16°C, step: 1°C 12°C		
9.1	[2-06]	Room frost protection	R/W	0: Disabled 1: Enabled		
9.1	[2-09]	Adjust the offset on the measured room temperature	R/W	-5~5°C, step: 0,5°C 0°C		
9.1	[2-0A]	Adjust the offset on the measured room temperature	R/W	-5~5°C, step: 0,5°C 0°C		
9.1	[2-0B]	What is the required offset on the measured outdoor temp.?	R/W	-5~5°C, step: 0,5°C 0°C		
9.1	[2-0C]	What emitter type is connected to the main LWT zone?	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator		
9.1	[2-0D]	What emitter type is connected to the additional LWT zone?	R/W	0: Underfloor heating 1: Fancoil unit 2: Radiator		
9.1	[2-0E]	What is the maximum allowed current over the heatpump ?	R/W	0~50 A, step: 1 A 50 A		
9.1	[3-00]	Is auto restart of the unit allowed?	R/W	0: No 1: Yes		
9.1	[3-01]	--		0		
9.1	[3-02]	--		1		
9.1	[3-03]	--		4		
9.1	[3-04]	--		2		
9.1	[3-05]	--		1		
9.1	[3-06]	What is the maximum desired room temperature in heating?	R/W	18~30°C, step: 1°C 30°C		
9.1	[3-07]	What is the minimum desired room temperature in heating?	R/W	12~18°C, step: 1°C 12°C		
9.1	[3-08]	What is the maximum desired room temperature in cooling?	R/W	25~35°C, step: 1°C 35°C		
9.1	[3-09]	What is the minimum desired room temperature in cooling?	R/W	15~25°C, step: 1°C 15°C		
9.1	[4-00]	What is the BUH operation mode?	R/W	0: Disabled 1: Enabled 2: Only DHW		
9.1	[4-01]	Which electric heater has priority?	R/W	0: None 1: BSH 2: BUH		

(*1) *3V_(*) *6V_
 (*3) *9W_(*) *4) EHB*_
 (*5) EHV*_
 (*6) *X*_(*) *H*

(#) Setting is not applicable for this unit.

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Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
9.1	[4-02]	Below which outdoor temperature is heating allowed?	R/W	14~35°C, step: 1°C 22°C		
9.1	[4-03]	Operation permission of the booster heater.	R/W	0: Restricted 1: Allowed 2: Overlap 3: Compressor off 4: Legionella only		
9.1	[4-04]	Water pipe freeze prevention		0: Intermittent 1: Continuous 2: Off		
9.1	[4-05]	--		0		
9.1	[4-06]	Emergency	R/W	0: Manual 1: Automatic(normal SH/DHW ON) 2: Auto red SH/DHW ON 3: Auto red SH/DHW OFF 4: SH ON/DHW OFF		
9.1	[4-07]	--		6		
9.1	[4-08]	Which power limitation mode is required on the system?	R/W	0: No limitation 1: Continuous 2: Digital inputs		
9.1	[4-09]	Which power limitation type is required?	R/W	0: Current 1: Power		
9.1	[4-0A]	Backup heater configuration	R/W	0: 1 (*1) 1: 1/1+2 (*2) (*3) 2: 1/2 3: 1/2 + 1/1+2 in emergency		
9.1	[4-0B]	Automatic cooling/heating changeover hysteresis.	R/W	1~10°C, step: 0,5°C 1°C		
9.1	[4-0D]	Automatic cooling/heating changeover offset.	R/W	1~10°C, step: 0,5°C 3°C		
9.1	[4-0E]	--		6		
9.1	[5-00]	Is backup heater operation allowed above equilibrium temperature during space heating operation?	R/W	0: Allowed 1: Not allowed		
9.1	[5-01]	What is the equilibrium temperature for the building?	R/W	-15~35°C, step: 1°C 0°C		
9.1	[5-02]	Space heating priority.	R/W	0: Disabled 1: Enabled		
9.1	[5-03]	Space heating priority temperature.	R/W	-15~35°C, step: 1°C 0°C		
9.1	[5-04]	Set point correction for domestic hot water temperature.	R/W	0~20°C, step: 1°C 10°C		
9.1	[5-05]	What is the requested limit for DI1?	R/W	0~50 A, step: 1 A 50 A		
9.1	[5-06]	What is the requested limit for DI2?	R/W	0~50 A, step: 1 A 50 A		
9.1	[5-07]	What is the requested limit for DI3?	R/W	0~50 A, step: 1 A 50 A		
9.1	[5-08]	What is the requested limit for DI4?	R/W	0~50 A, step: 1 A 50 A		
9.1	[5-09]	What is the requested limit for DI1?	R/W	0~20 kW, step: 0,5 kW 20 kW		
9.1	[5-0A]	What is the requested limit for DI2?	R/W	0~20 kW, step: 0,5 kW 20 kW		
9.1	[5-0B]	What is the requested limit for DI3?	R/W	0~20 kW, step: 0,5 kW 20 kW		
9.1	[5-0C]	What is the requested limit for DI4?	R/W	0~20 kW, step: 0,5 kW 20 kW		
9.1	[5-0D]	Backup heater voltage	R/W (*2) R/O (*1) (*3)	0: 230V, 1~ (*1) (*2) 1: 230V, 3~ (*2) 2: 400V, 3~ (*3)		
9.1	[5-0E]	--		1		
9.1	[6-00]	The temperature difference determining the heat pump ON temperature.	R/W	2~40°C, step: 1°C 25°C		
9.1	[6-01]	The temperature difference determining the heat pump OFF temperature.	R/W	0~10°C, step: 1°C 2°C		
9.1	[6-02]	What is the capacity of the booster heater?	R/W	0~10kW, step: 0,2kW 3kW		
9.1	[6-03]	What is the capacity of the backup heater step 1?	R/W	0~10kW, step: 0,2kW 2kW (*2) 3kW (*1)(*3)		
9.1	[6-04]	What is the capacity of the backup heater step 2?	R/O (*1) R/W (*2) (*3)	0~10kW, step: 0,2kW 0kW (*1) 4kW (*2) 6kW (*3)		
9.1	[6-05]	--		0		
9.1	[6-06]	--		0		
9.1	[6-07]	What is the capacity of the bottom plate heater?	R/W	0~200W, step: 10W 0W		
9.1	[6-08]	What is the hysteresis to be used in reheat mode?	R/W	2~20°C, step: 1°C 10°C		
9.1	[6-09]	--		0		
9.1	[6-0A]	What is the desired comfort storage temperature?	R/W	30~[6-0E]°C, step: 1°C 60°C		
9.1	[6-0B]	What is the desired eco storage temperature?	R/W	30~min(50, [6-0E])°C, step: 1°C 45°C		
9.1	[6-0C]	What is the desired reheat temperature?	R/W	30~min(50, [6-0E])°C, step: 1°C 45°C		
9.1	[6-0D]	What is the desired DHW production type?	R/W	0: Reheat only 1: Reheat + sched. 2: Scheduled only		
9.1	[6-0E]	What is the maximum temperature setpoint?	R/W	(*4): 40~75°C, step: 1°C 60°C [E-07]=0 (*4): 40~80°C, step: 1°C 80°C [E-07]=5 (*5): 40~60°C, step: 1°C 60°C		
9.1	[7-00]	Domestic hot water booster heater overshoot temperature.	R/W	0~4°C, step: 1°C 0°C		
9.1	[7-01]	Domestic hot water booster heater hysteresis.	R/W	2~40°C, step: 1°C 2°C		
9.1	[7-02]	How many leaving water temperature zones are there?	R/W	0: 1 LWT zone 1: 2 LWT zones		
9.1	[7-03]	--		2.5		

(*1) *3V_(*2) *6V_
(*3) *9W_(*4) EHB*_
(*5) EHV*_
(*6) *X_(*7) *H*

Field settings table					Installer setting at variance with default value	
Breadcrumb	Field code	Setting name		Range, step Default value	Date	Value
9.1	[7-04]	--		0		
9.1	[7-05]	Boiler efficiency	R/W	0: Very high 1: High 2: Medium 3: Low 4: Very low		
9.1	[7-06]	HP Forced OFF	R/W	0: Disabled 1: Enabled		
9.1	[7-07]	BBR16 activation	R/W	0: Disabled 1: Enabled		
9.1	[8-00]	Minimum running time for domestic hot water operation.	R/W	0-20 min, step 1 min 1 min		
9.1	[8-01]	Maximum running time for domestic hot water operation.	R/W	5-95 min, step: 5 min 30 min		
9.1	[8-02]	Anti-recycling time.	R/W	0-10 hour, step: 0,5 hour 0,5 hour [E-07]=1 3 hour [E-07]#1		
9.1	[8-03]	Booster heater delay timer.	R/W	20-95 min, step: 5 min 50 min		
9.1	[8-04]	Additional running time for the maximum running time.	R/W	0-95 min, step: 5 min 95 min		
9.1	[8-05]	Allow modulation of the LWT to control the room temp?	R/W	0: No 1: Yes		
9.1	[8-06]	Leaving water temperature maximum modulation.	R/W	0-10°C, step: 1°C 5°C		
9.1	[8-07]	What is the desired comfort main LWT in cooling?	R/W	[9-03]-[9-02], step: 1°C 18°C		
9.1	[8-08]	What is the desired eco main LWT in cooling?	R/W	[9-03]-[9-02], step: 1°C 20°C		
9.1	[8-09]	What is the desired comfort main LWT in heating?	R/W	[9-01]-[9-00], step: 1°C 35°C		
9.1	[8-0A]	What is the desired eco main LWT in heating?	R/W	[9-01]-[9-00], step: 1°C 33°C		
9.1	[8-0B]	--		13		
9.1	[8-0C]	--		10		
9.1	[8-0D]	--		16		
9.1	[9-00]	What is the maximum desired LWT for main zone in heating?	R/W	[2-0C]=2: 37-65, step: 1°C 55°C [2-0C]#2: 37-55, step: 1°C 55°C		
9.1	[9-01]	What is the minimum desired LWT for main zone in heating?	R/W	15-37°C, step: 1°C 25°C		
9.1	[9-02]	What is the maximum desired LWT for main zone in cooling?	R/W	18-22°C, step: 1°C 22°C		
9.1	[9-03]	What is the minimum desired LWT for main zone in cooling?	R/W	5-18°C, step: 1°C 5°C		
9.1	[9-04]	Leaving water temperature overshoot temperature.	R/W	1-4°C, step: 1°C 1°C		
9.1	[9-05]	What is the minimum desired LWT for add. zone in heating?	R/W	15-37°C, step: 1°C 25°C		
9.1	[9-06]	What is the maximum desired LWT for add. zone in heating?	R/W	[2-0D]=2: 37-65, step: 1°C 55°C [2-0D]#2: 37-55, step: 1°C 55°C		
9.1	[9-07]	What is the minimum desired LWT for add. zone in cooling?	R/W	5-18°C, step: 1°C 5°C		
9.1	[9-08]	What is the maximum desired LWT for add. zone in cooling?	R/W	18-22°C, step: 1°C 22°C		
9.1	[9-09]	What is the allowed undershoot in cooling?	R/W	1-18°C, step: 1°C 18°C		
9.1	[9-0A]	Heating comfort setpoint	R/W	[3-07]~[3-06]°C, step: 0,5°C 23°C		
9.1	[9-0B]	Cooling comfort setpoint	R/W	[3-09]~[3-08]°C, step: 0,5°C 23°C		
9.1	[9-0C]	Room temperature hysteresis.	R/W	1-6°C, step: 0,5°C 1 °C		
9.1	[9-0D]	Pump speed limitation	R/W	0-8, step:1 0: No limitation 1-4: 50-80% 5-8: 50-80% during sampling 6		
9.1	[9-0E]	--		6		
9.1	[C-00]	Domestic heating water priority.	R/W	0: Solar priority 1: Heat pump priority		
9.1	[C-01]	--		0		
9.1	[C-02]	Is an external backup heat source connected?	R/W	0: No 1: Bivalent		
9.1	[C-03]	Bivalent activation temperature.	R/W	-25-25°C, step: 1°C 0°C		
9.1	[C-04]	Bivalent hysteresis temperature.	R/W	2-10°C, step 1°C 3°C		
9.1	[C-05]	What is the thermo request contact type for the main zone?	R/W	0: - 1: 1 contact 2: 2 contacts		
9.1	[C-06]	What is the thermo request contact type for the add. zone?	R/W	0: - 1: 1 contact 2: 2 contacts		
9.1	[C-07]	What is the unit control method in space operation?	R/W	0: LWT control 1: Ext RT control 2: RT control		
9.1	[C-08]	Which type of external sensor is installed?	R/W	0: No 1: Outdoor sensor 2: Room sensor		
9.1	[C-09]	What is the required alarm output contact type?	R/W	0: Normally open 1: Normally closed		
9.1	[C-0A]	--		0		
9.1	[C-0B]	--		0		
9.1	[C-0C]	--		0		
9.1	[C-0D]	--		0		

(*1) *3V_(*) *6V_
 (*3) *9W_(*) *4) EHB*_
 (*5) EHV*_
 (*6) *X*_(*) *H*

(#) Setting is not applicable for this unit.

4P629091-1 - 2020.09

Field settings table				Installer setting at variance with default value		
Breadcrumb	Field code	Setting name	Range, step	Default value	Date	Value
9.I	[C-0E]	--		0		
9.I	[D-00]	Which heaters are permitted if prefer. kWh rate PS is cut?	R/W	0: None 1: BSH only 2: BUH only 3: All heaters		
9.I	[D-01]	Contact type of preferential kWh rate PS installation?	R/W	0: No 1: Active open 2: Active closed 3: Smart grid		
9.I	[D-02]	Which type of DHW pump is installed?	R/W	0: No 1: Secondary rtrn 2: Disinf. Shunt		
9.I	[D-03]	Leaving water temperature compensation around 0°C.	R/W	0: No 1: increase 2°C, span 4°C 2: increase 4°C, span 4°C 3: increase 2°C, span 8°C 4: increase 4°C, span 8°C		
9.I	[D-04]	Is a demand PCB connected?	R/W	0: No 1: Pwr consmp ctrl		
9.I	[D-05]	Is the pump allowed to run if prefer. kWh rate PS is cut?	R/W	0: Forced off 1: As normal		
9.I	[D-07]	Is a solar kit connected?	R/W	0: No 1: Yes		
9.I	[D-08]	Is an external kWh meter used for power measurement?	R/W	0: No 1: 0.1 pulse/kWh 2: 1 pulse/kWh 3: 10 pulse/kWh 4: 100 pulse/kWh 5: 1000 pulse/kWh		
9.I	[D-09]	Is an external kWh meter used for power measurement?	R/W	0: No 1: 0,1 pulse/kWh 2: 1 pulse/kWh 3: 10 pulse/kWh 4: 100 pulse/kWh 5: 1000 pulse/kWh 6: 100 pulse/kWh (PV meter) 7: 1000 pulse/kWh (PV meter) 8: 1 pulse/m³ (gas meter) 9: 10 pulses/m³ (gas meter) 10: 100 pulses/m³ (gas meter)		
9.I	[D-0A]	--		0		
9.I	[D-0B]	--		2		
9.I	[D-0C]	--		0		
9.I	[D-0D]	--		0		
9.I	[D-0E]	--		0		
9.I	[E-00]	Which type of unit is installed?	R/O	0-5 0: LT split		
9.I	[E-01]	Which type of compressor is installed?	R/O	0		
9.I	[E-02]	What is the indoor unit software type?	R/W (*6) R/O (*7)	0: Reversible (*6) 1: Heating only (*7)		
9.I	[E-03]	What is the number of backup heater steps?	R/O	2: 3V (*1) 3: 6V (*2) 4: 9W (*3)		
9.I	[E-04]	Is the power saving function available on the outdoor unit?	R/O	0: No 1: Yes		
9.I	[E-05]	Can the system prepare domestic hot water?	R/W	0: No (*4) 1: Yes (*5)		
9.I	[E-06]	Is a DHW tank installed in the system?	R/O	0: No 1: Yes		
9.I	[E-07]	What kind of DHW tank is installed?	R/W	0-6 0: EKHW (*4) 1: Integrated (*5) 5: EKHWP (*4)		
9.I	[E-08]	Power saving function for outdoor unit.	R/W	0: Disabled 1: Enabled		
9.I	[E-09]	--		1		
9.I	[E-0A]	--		0		
9.I	[E-0B]	Is a bi-zone kit installed?		0		
9.I	[E-0C]	--		0		
9.I	[E-0D]	Is glycol present in the system?		0		
9.I	[E-0E]	--		0		
9.I	[F-00]	Pump operation allowed outside range.	R/W	0: Disabled 1: Enabled		
9.I	[F-01]	Above which outdoor temperature is cooling allowed?	R/W	10-35°C, step: 1°C 20°C		
9.I	[F-02]	Bottom plate heater ON temperature.	R/W	3-10°C, step: 1°C 3°C		
9.I	[F-03]	Bottom plate heater hysteresis.	R/W	2-5°C, step: 1°C 5°C		
9.I	[F-04]	Is a bottom plate heater connected?	R/W	0: No 1: Yes		
9.I	[F-05]	--		0		
9.I	[F-09]	Pump operation during flow abnormality.	R/W	0: Disabled 1: Enabled		
9.I	[F-0A]	--		0		
9.I	[F-0B]	Close shut-off valve during thermo OFF?	R/W	0: No 1: Yes		
9.I	[F-0C]	Close shut-off valve during cooling?	R/W	0: No 1: Yes		
9.I	[F-0D]	What is the pump operation mode?	R/W	0: Continuous 1: Sample 2: Request		

(*1) *3V_(*2) *6V_
 (*3) *9W_(*4) EHB*_
 (*5) EHV*_
 (*6) *X*_(*7) *H*

