

GEBWELL

Gebwell CLI controller

menu structure

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▶ Main menu	▶ Heat pump
	▶ Domestic hot water
	▶ Heat circuit 1-3
	▶ Cool circuit 1
	▶ Information
	▶ Service menu

Heat pump

▶ Heat pump	▶ System clock	Year	
		Month	
		Day	
		Hour	
		Minute	
		Second	
	Language selection		<i>suomi, English, svenska</i>
	HP operating mode		<i>Auto, Off, Backup heat</i>
	Alarm acknowledge		<i>Execute</i>

Domestic hot water

▶ Domestic hot water	Status		Value is read-only
	DHW operating mode		<i>Auto, Off/Prt, Reduced, Comfort</i>
	Top temp. tank		Value is read-only
	Bottom temp. tank		Value is read-only
	Change over valve		Value is read-only
	▶ DHW SP temperatures	Actual	°C, Value is read-only
		Comfort	°C
		Reduced	°C
	▶ Legionella	Setp.temperature	°C
		Legionella mode	<i>Mo, Tu, We, Th, Fr, Sa, Su</i>
		Start time leg.function	<i>h</i>
	Circulation pump		Value is read-only

Heat circuit 1-3

► Heat circuit 1-3	HC operating mode		<i>Auto, Off/Prt, Recuced, Comfort</i>
	► Sp.room temp.	Actual	°C
		Comfort	°C
		Reduced	°C
		Protect	°C
		Sp.correction	K
		Room temp. control	Value is read-only
		Room temp. comp.	
		Ti room	<i>min</i>
		Room influence	K, Value is read-only
	► Heating curve	Out.temp.filtered. X	°C
		X1	-30°C, Value is read-only
		Y1	°C
		X2	-15°C, Value is read-only
		Y2	°C
		X3	0°C, Value is read-only
		Y3	°C
		X4	+10°C, Value is read-only
		Y4	°C
		X5	+20°C, Value is read-only
		Y5	°C
		Heating curve Y	°C, Value is read-only
	► Setpoint flow temp.	Present value	°C, Value is read-only
		High limit	°C
		Low limit	°C
		Summer-winter switch temperature	°C
	► Week calender HC1	Present value	Value is read-only
		Monday	<i>Time-1</i>
		Tuesday	<i>Value-1: Off/Pro., Comfort, Eco</i>
		Wednesday	.
		Thursday	.
		Friday	.
		Saturday	.
		Sunday	<i>Time-6</i> <i>Time-6: Off/Pro., Comfort, Eco</i>

► Heat circuit 1-3	► Week calender HC1	Exception	
		Start time	<i>Day of week, Day, Month, Year</i>
		End time	<i>Day of week, Day, Month, Year</i>
		Selection-1	<i>Day, Area, Day of week, Calendar</i>
		(Start)day	<i>Day of week, Day, Month, Year</i>
		End day	<i>Day of week, Day, Month, Year</i>
		Weekday	<i>Day of week, Day, Month, Year</i>
	Copy schedule		<i>Ma to, Tu-Fr, Tu-Su, Tu, We, Th, Fr, Sa, Su, Ecpt</i>

Cool circuit

► Cool circuit	Op.mode HMI		<i>Auto, Off/Prt, Recuced, Comfort</i>
	► Sp.room temp.	Actual	°C
		Comfort	°C
		Reduced	°C
		Sp. correction	K
		Room temp. control	Value is read-only
		Room temp. comp.	
		Ti room	<i>min</i>
		Room influence	<i>K, Value is read-only</i>
	► Cooling curve	Out.temp.filtered X	°C
		X1	<i>15°C, Value is read-only</i>
		Y1	°C
		X2	<i>20°C, Value is read-only</i>
		Y2	°C
		X3	<i>25°C, Value is read-only</i>
		Y3	°C
		X4	<i>30°C, Value is read-only</i>
		Y4	°C
		X5	<i>35°C, Value is read-only</i>
		Y5	°C
		Cooling curve Y	Value is read-only
	► Setpoint flow temp.	Present value	°C, Value is read-only
		High limit	°C
		Low limit	°C

	Su/Wi Temperature		°C	
	► Viikkokalenteri JP1	Present value	Value is read-only	
		Monday	<i>Time-1</i> <i>Value-1: Off/Pro., Comfort, Eco</i> <i>Time-6</i> <i>Time-6: Off/Pro., Comfort, Eco</i>	
		Tuesday		
		Wednesday		
		Thursday		
		Friday		
		Saturday		
		Sunday		
		Exception		
		Start time		<i>Day of week, Day, Month, Year</i>
		End time		<i>Day of week, Day, Month, Year</i>
		Selection-1	<i>Day, Area, Day of week, Calendar</i>	
		(Start)day	<i>Day of week, Day, Month, Year</i>	
		End day	<i>Day of week, Day, Month, Year</i>	
		Weekday	<i>Day of week, Day, Month, Year</i>	
	Copy schedule		<i>Ma to, Tu-Fr, Tu-Su, Tu, We, Th, Fr, Sa, Su, Ecpt</i>	

Information

► Information	► Status data and measurements		
		Outside temp.	°C, Value is read-only
		Supply pump	%, Value is read-only
		Flow temp.	°C, Value is read-only
		Return temp.	°C, Value is read-only
		dT supply	K, Value is read-only
		Source pump	%, Value is read-only
		Source temp.	°C, Value is read-only
		Return temp.source	°C, Value is read-only
		dT source	K, Value is read-only
		Operating mode	Value is read-only
		Request	%, Value is read-only
		Present capacity	%, Value is read-only
		Compressor 1	On, Value is read-only
		VSD Compr. 1	%, Value is read-only
		Heat circuit 1	
		HC operating mode	<i>Auto, Off/Prt, Recuced, Comfort</i>
		Oprating mode	Value is read-only
		+Room temp.	°C, Value is read-only
		+Flow temp.	°C, Value is read-only
		Set point	°C, Value is read-only
		Heat circuit 2	
		
		Domestic hot water	
		DHW operating mode	<i>Auto, Off/Prt, Recuced, Comfort</i>
		Operating mode	Value is read-only
		Change over valve	Value is read-only
		Top temp. tank	°C, Value is read-only
		Bottom temp. tank	°C, Value is read-only
		Legionella mode DHW	Value is read-only
		Additional heat	
		K27 command	Value is read-only
		Control mode Add. heat	<i>HPErr, Parallell</i>
		Heat. ele. heater	Value is read-only
		Add. heat control signal	%, Value is read-only

► Information	► Status data and measurements	Setpoint	°C, Value is read-only
		Present value	°C, Value is read-only
		Control output	%, Value is read-only
	► Operating hours, Values read-only	Automation stat.	<i>h</i>
		Compressor 1	<i>h</i>
		Compressor start-ups	
		Hot water charges	
		Supply pump	<i>h</i>
		Source pump	<i>h</i>
		El.heater Add. heat	<i>h</i>
		El.heater start-ups Add.heat	
		K27 command Add. heat	<i>h</i>
		K27 start-ups Add. heat	
	► Energy, Values read-only	Energy total	<i>kWh</i>
		Generated heat total	<i>kWh</i>
		Energy heating	<i>kWh</i>
		Energy DHW	<i>kWh</i>
		Generated heat Heat.circuit	<i>kWh</i>
		Generated heat dhw	<i>kWh</i>

Service menu

► Service menu	► Funtion testing	Change over valve			<i>Heating, DHW</i>
		Source pump			%
		Source pump			%
		Charge pump			%
		Circulation pump DHW			<i>Off, On</i>
		DHW Ele. heat			<i>Off, On</i>
		Flow through heater			<i>Auto, Off, St 1-3</i>
		Valve HC2			%
		Valve HC3			%
		El.heater Add. heat			<i>Auto, Off, St 1-3</i>
		Add. heat			<i>Off, On</i>
		Add. heat control signal			%

► Service menu	► Measurements (Values read-only)	+Circuit 1			
		Cond.press.			bar
		Evap.press.			bar
		Cond. temp.			°C
		Evaporatr temp.			°C
		Suct.gas temp.			°C
		Superheat			K
		Capacity request			%
		Present capacity			%
		Compressor 1			
		VSD Compressor 1			%
		Compressor 2			
		VSD Compressor 2			%
		Discharge templ.			°C
		Feedb.esxp.val.			%
		+EXD-TEVI			
		Valve			%
		SuctionT1			°C
		Superheat			K
		HotGasT1			°C
		HotGasT2			°C
		Pressure			bar
		Supply pump			%
		Flow temp.			°C
		Return temp.			°C
		dT supply			K
		Source pump			%
		Source temp			°C
		Return temp. source			°C
		dT source			K
		Flow temp. System			°C
		Ext. control			
		Ext. heat demand			%
		Ext. setpoint			°C

► Service menu	► Commissioning	Restart			Execute
		► Heat circuit 1-3	Heat circuit 1-3		Enable, Disable
			Room sensor		Disabled, Wired, Wireless 1, Wireless 2, Wireless 1&2
		► Cool circuit 1	Cool circuit 1		Enable, Disable
			Room sensor		Disabled, HC1, HC2
			Transfer pump (Q28)		Enable, Disable
		► Flow through heater	Flow through heater		Enable, Disable
			Number of stage		One, Two, Three
		► Additional heat	+K27/TV27		
			Add.heat		Enable, Disable
			+K28/K29		
			Heat. ele. heater		Enable, Disable
		► Cascade settings	Heat pump type		Independent, Master, Slave1
			Number of slaves		0, 1
			Common source pump type		None, 1-stage, 0-10V
		► Wiresell sensors	Nr. of wireless sensors		
			Addr. wireless base station		
			► Modbus	+Inbuilt RS485:2	
				Baud rate	9600, 19200, 38400, 57600, 115200
				Parity	Even, Odd, None
				Stop bits	One, Two
		► Ext.heat demand	Supl. cont.		Heat pump, Ext. %, Ext. °C
			ExtDmdTyp		AI, Modbus
	► Device settings	► Charging circuit	Sp.dT		K
			Supply pump min.		%
			Supply pump max.		%
		► Source circuit	Source pump min.		%
			Source pump max.		%
			Free cool pos src		%
		► El.heater	Operating mode		Value is read-only
			Src.temp limit		°C

► Service menu	► Device settings	► El.heater	Switch on		%
			Switch hys.		%
			Switch on 2		%
			Switch hys 2		%
			Switch on 3		%
			Switch hys. 3		%
			Gain (Kp)		
			Ti Integr.act.t.		s
		► Domestic hot water	Circulation pump		Off, On
		► Heat circuit 1-3	► Alarm limits	Flow temp. – HighLimit	°C
				Flow temp. - LowLimit	°C
				Room temp. – HighLimit	°C
				Room temp. – LowLimit	°C
			► Summer / Winter setting	Su/Wi mode	Auto/Temp, Date, Summer, Winter
				Su/Wi Time const.	h
				Start date	Day of week, Date
				End date	Day of week, Date
				Reset outside temp.	Execute
			Room temp. comp.		Value is read-only
			Room influence		K

Service menu → Device settings → Additional heat

Service	Device	► Additional heat	Operating mode			Value is read-only
			Flow temp.			Value is read-only
			El.heater			Value is read-only
			K27 command			Value is read-only
			Add. heat control signal			Value is read-only
			► +Settings	► Flow temp.	High limit	°C
					Low limit	°C
			Control mode Heat. ele. heater			HPErr, Parallell
			Sequence selector			K28-K27, K27-K28

Service menu → Communication

▶ Service menu	▶ Communication	▶ Modbus module 1	State	Value is read-only
			Comm.failure	Value is read-only
			+Kanava 1:	Value is read-only
			Slave	Value is read-only
			Slave address	
			Baud rate	
			Stop bits	1,2
			Parity	<i>Parill., Pariton, Ei mitään</i>
		▶ IP-Config.	DHCP	<i>Active, Passive</i>
			IP address	
			Subnet mask	
			Default gateway	
			Preferred DNS server	
			Alternate DNS server	
▶ Service menu	▶ Device information	Activation key		
		Operating hours		<i>h</i>
		Internal temp.		<i>°C</i>
		Serial number		Value is read-only

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