

## IVT Rego 1000 Controller Bosch Pro Control 500 Controller

LW = Ground source Liquid/Water pump

AW pump = Air/Water pumps, EW pump = Exhaust Air pumps

IDX	NAME	TYPE	DESCRIPTION
0002	Radiator Forward	Temp Sensor	Water feed out to radiators
0003	Heat carrier Return	Temp Sensor	HP internal heat carrier return.
0004	Heat carrier Forwrd	Temp Sensor	HP internal heat supply forward
0005	Brine in/Evaporator	Temp Sensor	Supply in from ground source for LW pumps, Evaporator for AW & EW pumps.
0006	Brine out/Condenser	Temp Sensor	Supply out to ground source for LW pumps, Condenser for AW & EW pumps.
0007	Outdoor	Temp Sensor	Outdoor sensor
0008	Indoor	Temp Sensor	Indoor sensor, [if installed]
0009	Warm water 1 / Top	Temp Sensor	Warm water tank temp
000B	Hot gas / Compr.	Temp Sensor	Hot gas from compressor before expansion valve
000E	Air intake	Temp Sensor	Air Intake för AW/EW pumps
0011	Pool	Temp Sensor	Pool temp if installed
0020	Radiator Forward 2	Temp Sensor	Feed to radiators for heat circuit 2 [if installed]
0021	Indoor 2	Temp Sensor	Indoor sensor for Circuit 2 [if installed]
1A01	Compressor	Status	0=Off, 1=On
1A04	Pump Cold circuit	Status	Ground source pump. 0=Off, 1=On (LW pumps only)
1A05	Pump Heat circuit	Status	Internal circulation pump. 0=Off, 1=On
1A06	Pump Radiator	Status	Radiator pump. 0=Off, 1=On
1A07	Switch valve 1	Status	Switch valve position 0=Radiator heating, 1=Hot Water heating
1A08	Switch valve 2	Status	Switch valve position 0=Radiator heating, 1=Hot Water heating for HC2 [if installed]
1A09	Fan	Status	Status of Fan for AW/EW pumps
1A0A	High Pressostat	Status	Status if High Presostat, see HP user manual
1A0B	Low Pressostat	Status	Status if Low Presostat, see HP user manual
1A0C	Heating cable	Status	Heating cable for outdoor unit, AW pumps only 0=off, 1=on
1A0D	Crank Case heater	Status	Heating cable for outdoor unit crank case, AW pumps only 0=off, 1=on
3104	Add heat status	Percent usage	Applied Additional Electrical heater to support compressor. Commonly 9kW max.
0111	Warm water setpoint	Temp variable	Target temp for warm tap water.
0107	Heating setpoint	Temp variable	Target temp for heating
1A20	Alarm	Status	Pump alarm. >0 = Alarming
1A21	Pump Radiator 2	Status	Radiator pump HC2. 0=Off, 1=On [if installed]

0203	Room temp setpoint	Set temp	Set room temp if Indoor sensor is installed
2204	Room sensor influence	Set temp	Set how much room temp should influence heating (if Indoor sensor is installed)
0205	Heat set 1, CurveL	Set temp	Set heat circuit 1 LEFT most
0206	Heat set 2, CurveR	Set temp	Set heat circuit 1 RIGHT most
6209	Extra Warm water	Hours	Set hown many hours of extra warm water function is active
1210	Holiday mode	Mode	1=Holiday on, 0=Holiday Off
B20A	Summer mode	Mode	0=Sum mode off (Winter mode on) , 1=Auto, 2=Sum. mode on
2213	Warm Water program	Set Status	Warm water program. 0=Comfort, 1=Economy
2233	External control	Set Status	Activate external control input 1 to block heat pump operations. 1=Activated. 0=Inactivated (*1
2234	External control 2	Set Status	Activate external control input 2 to block heat pump operations. 1=Activated. 0=Inactivated (*1
0217	Outdoor temp offset	Set temp	Positive or negative value to offset the actual Outdoor temp sensor value.
0220	Room temp setpoint 2	Set temp	Set room temp for circuit 2 if Indoor sensor panel is installed
0222	Heat set 1, CurveL 2	Set temp	Set heat circuit 2 LEFT most [if installed]
0223	Heat set 2, CurveR 2	Set temp	Set heat circuit 2 RIGHT most [if installed]
0219	Pool temp setpoint	Set temp	Set Pool temp [if installed]
5C52	Supp energy heating	kWh usage	Energy consumed for heating
5C53	Supp energy hotwater	kWh usage	Energy consumed for hot water production
5C55	Compr. cons. heating	kWh usage	Compressor consumed for heating
5C56	Compr. cons. hotwat	kWh usage	Compressor consumed for hot water production
5C58	Aux cons. heating	kWh usage	Electrical additional heater for heating
5C59	Aux cons. hot water	kWh usage	Electrical additional heater consumed for hot water production
2F00	Prog ver Major	Number	Version of controller
2F01	Prog ver Minor	Number	Version of controller
2F02	Prog ver Revision	Number	Version of controller

white	Read only variable
blue	Read/Write variable
	H66 Only
	H60 Only

1. See Energy Control guides in user manual and HP user manual to learn how to use the EXT ports

EXT port control is not available on Rego1000 ver 1.10 and earlier firmware. It works on 1.12.1