

IVT Rego 800 Controller

LW = Ground source Liquid/Water pump

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

IDX	NAME	TYPE	DESCRIPTION
0001	Radiator Return	Temp Sensor	GT01 Water feed return from radiators
0003	Heat carrier Return	Temp Sensor	GT09 HP internal heat carrier return.
0004	Heat carrier Forwrd	Temp Sensor	GT08 HP internal heat supply forward
0005	Brine in/Evaporator	Temp Sensor	GT11 Supply in from ground source for LW pumps, Evaporator for AW & EW pumps.
0006	Brine out/Condenser	Temp Sensor	GT10 Supply out to ground source for LW pumps, Condenser for AW & EW pumps.
0007	Outdoor	Temp Sensor	GT02 Outdoor sensor
0008	Indoor	Temp Sensor	GT05 Indoor sensor, [if installed]
0009	Warm water 1 / Top	Temp Sensor	GT03 Warm water tank temp
000B	Hot gas / Compr.	Temp Sensor	GT06 Hot gas from compressor before expansion valve
000E	Air intake	Temp Sensor	GT12 Air Intake för AW/EW pumps
0011	Pool	Temp Sensor	GT81 Pool temp [if installed]
2108	Comp Speed	Number	Compressor actual speed (for LW pumps, inverter X models)
1A05	Pump Heat circuit	Status	Internal circulation pump G2 on LW, P2 on AW. 0=Off, 1=On
1A04	Pump Cold circuit	Status	Ground source pump G3. 0=Off, 1=On (LW pumps only)
1A01	Compressor	Status	0=Off, 1=On for AW pumps
1A06	Pump Radiator	Status	Radiator pump P1. 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 Pressostat, see HP user manual
1A0B	Low Pressostat	Status	Status if Low Pressostat, 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
1A20	Alarm	Status	Pump alarm. >0 = Alarming
3104	Add heat status	Percent usage	Applied Additional Electrical heater to support compressor. Commonly 9kW max.
0107	Heating setpoint	Temp variable	Target temp for heating
0203	Room temp setpoint	Set temp	Set room temp if Indoor sensor in installed
2204	Room sensor influence	Set temp	Set how much room temp should influence heating (if Indoor sensor in 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
0208	Warm Water stop temp	Set temp	Set GT8 stop temp (20-80)
0212	Warm water start temp	Set temp	Set GT3 start temp

921B	Elect. Heater Max powr	Set kW	Set the Max allowed power used by electrical heater. Used with caution. See comment below *

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

Important Rego 800 notes
 Older Rego firmware (versions before 3.2) may not have the Set variable capability
 In that case you can only read sensor and status values, not set. Check version before order and
 contact us if unsure.

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Regarding 921B Electrical Heater Limiter Setting (tested on ver 3.20.19 and later)
 This is a very useful setting to limit your electrical cnsumption during peak price periods.

Please be careful using this setting as putting it too high, your fuses may blow and too low may makes your home cold.

The value that you are changing from this variable is in the Service menu, "*Advanced menu, AUX heater, Setting for AUX heater, Power limits*" and the item "Compressor operations" row. Please verify baseline value before starting to change so you know the limit/baseline for normal operatioins. Usually max kW to set is 50% of Total power displayed in top row in this service menu.

When performing change from H66, a message will show on the R800 display (Please check your fuses) but just ignore it.