



IVT Rego 600 / 637 Controllers

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Updated: 2022-08-20

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	Return water feed from radiators [if installed]
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 pumps.
0006	Brine out/Condenser	Temp Sensor	Supply out to ground source for LW pumps, Condenser for AW pumps.
0007	Outdoor	Temp Sensor	Outdoor sensor
0008	Indoor	Temp Sensor	Temp of indoor sensor [if installed]
0009	Warm water 1 / Top	Temp Sensor	Warm water tank temp GT3 (For internal Tank)
000A	Warm water 2 / Mid	Temp Sensor	Warm water tank temp GT3X (For external tank if installed) (*2
000B	Hot gas / Compr.	Temp Sensor	Hot gas from compressor before expansion valve
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
0111	Warm water setpoint	Temp variable	Target temp for warm tap water.
0203	Room temp setpoint	Set temp	Set room temp if Indoor sensor [if installed]
2204	Room sensor influence	Set temp	Set how much room temp should influence heating (if Indoor sensor in installed)
2205	Heat set 1, CurveL	Set number	Set heat curve level
0207	Heat set 3 Parallel	Set number	Set heat curve parallel offset
0208	Warm water stop temp	Set temp	Set stop temp for tap hot water (too high will trigger Pressostat alarm)
7209	Extra Warm Water stat	Minutes	Set minutes for the Extra warm water feature to be activated
1215	Elect. Heater switch	Status	1=on, 0=off. Turn off Electrical heater (will take efect next time add heater is to start)
1233	External control	Set Status	Activate external control input 1 to block heat pump operations. 1=Activated. 0=Inactivated (*1
1A01	Compressor	Status	0=Off, 1=On
1A02	Add heat step 1	Status	0=Off, 1=On. Normally 3kW step
1A03	Add heat step 2	Status	0=Off, 1=On. Normally 6kW step
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
1A20	Alarm	Status	Pump alarm. >0 = Alarming

6C55	Compr. cons. heating	Time Hours	Compressor runtime for heating
6C56	Compr. cons. hotwat	Time Hours	Compressor runtime for hot water production
6C58	Aux cons. heating	Time Hours	Electrical additional heater runtime for heating
6C59	Aux cons. hot water	Time Hours	Electrical additional heater for hot water production

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

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

Note that EXT for Rego600 can have unpredicted behaviour depending on onther settings and Rego version.

2. For uninstalled sensors, temp will show up as -49 degrees

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