

Job Record

The Job Record is used to document the control settings for future reference and troubleshooting.

Job Site Location _____

Control Location _____

Smart Heat Pump Control 291

Units

Item	Setting
TEMPERATURE	

Date and Time

Item	Setting
24-HOUR TIME	
SET AUTOMATICALLY	
TIME ZONE	

Item	Setting
DATE	
TIME	
DAYLIGHT SAVINGS	

Internet

Item	Setting
CONNECTION TYPE	
WI-FI NETWORK	
WI-FI SECURITY TYPE	
WI-FI USER	
WI-FI PASSWORD	
NEXA	

Item	Setting
IP CONFIGURATION	
IP ADDRESS	
SUBNET MASK	
ROUTER	
DNS 1	
DNS 2	

Heat & Cool Calls > General

Item	Setting
HEATING OUTDOOR DESIGN TEMPERATURE	
COOLING OUTDOOR DESIGN TEMPERATURE	
WARM WEATHER SHUT DOWN	
WARM WEATHER SHUT DOWN OCCUPIED	
WARM WEATHER SHUT DOWN UNOCCUPIED	

Item	Setting
COLD WEATHER SHUT DOWN	
COLD WEATHER SHUT DOWN OCCUPIED	
COLD WEATHER SHUT DOWN UNOCCUPIED	

Heat & Cool Calls > Hot Tank Loop

Item	Setting
HOT TANK TARGET	
ROOM TEMPERATURE OCCUPIED	
ROOM TEMPERATURE UNOCCUPIED	
HOT TANK DESIGN TEMPERATURE	

Item	Setting
HOT TANK MINIMUM TEMPERATURE	
HOT TANK MAXIMUM TEMPERATURE	
HOT TANK SETPOINT TEMPERATURE	

Heat & Cool Calls > Cold Tank Loop

Item	Setting
COLD TANK TARGET	
ROOM TEMPERATURE OCCUPIED	
ROOM TEMPERATURE UNOCCUPIED	
COLD TANK DESIGN TEMPERATURE	

Item	Setting
COLD TANK MINIMUM TEMPERATURE	
COLD TANK MAXIMUM TEMPERATURE	
COLD TANK SETPOINT TEMPERATURE	

Heat & Cool Calls > Domestic Hot Water

Item	Setting
DHW	
DHW TYPE	
DHW SENSOR	
DHW TANK OCCUPIED	
DHW TANK UNOCCUPIED	

Item	Setting
DHW DIFFERENTIAL	
DHW EXCHANGE OCCUPIED	
DHW EXCHANGE UNOCCUPIED	
DHW PRIORITY	
DHW PRIORITY OVERRIDE	

Heat & Cool Calls > Mix Loop 1

The Mix Loop 1 is available when the Mix 1 Enable is On.

Item	Setting
ROOM TEMPERATURE OCCUPIED	
ROOM TEMPERATURE UNOCCUPIED	
MIX 1 DESIGN TEMPERATURE	

Item	Setting
MIX 1 MINIMUM TEMPERATURE	
MIX 1 MAXIMUM TEMPERATURE	

Heat & Cool Calls > Mix Loop 2

The Mix Loop 2 is available when the Mix 2 Enable is On.

Item	Setting
ROOM TEMPERATURE OCCUPIED	
ROOM TEMPERATURE UNOCCUPIED	
MIX 2 DESIGN TEMPERATURE	

Item	Setting
MIX 2 MINIMUM TEMPERATURE	
MIX 2 MAXIMUM TEMPERATURE	

Heat & Cool Calls > Mix Loop 3

The Mix Loop 3 is available when the Mix 3 Enable is On.

Item	Setting
ROOM TEMPERATURE OCCUPIED	
ROOM TEMPERATURE UNOCCUPIED	
MIX 3 DESIGN TEMPERATURE	

Item	Setting
MIX 3 MINIMUM TEMPERATURE	
MIX 3 MAXIMUM TEMPERATURE	

System > General

Item	Setting
SYSTEM TYPE	
BACKUP TYPE	
MIX 1 ENABLE	
MIX 2 ENABLE	
MIX 3 ENABLE	

Item	Setting
OUTDOOR SENSOR	
EXERCISING	
tN4 BUS 2	
tN4 BUS 3	
tN4 BUS 4	

System > Heat Pump Staging

Item	Setting
HEAT PUMP GROUP ROTATION	
HEAT PUMP DIFFERENTIAL	
HEAT PUMP AUTO STAGE DELAY	
HEAT PUMP MANUAL STAGE DELAY	
HEAT PUMP PRIORITY	
HEAT PUMP MINIMUM RUN TIME	

Item	Setting
HEAT PUMP MINIMUM TIME OFF	
HEAT PUMP RETURN MINIMUM	
HEAT PUMP RETURN MAXIMUM	
HEAT-COOL INTERLOCK	
BALANCE POINT ENABLE	
BALANCE POINT	

System > Backup

Item	Setting
BACKUP DELAY	
TRANSFER PUMP TYPE	

Item	Setting
TRANSFER PUMP DIFFERENTIAL	

System > Diverting Valves

Item	Setting
DIVERTING VALVE PAIRS	

Item	Setting
DIVERTING VALVE MOTOR SPEED	

System > Mixing

Item	Setting
MIX 1 TYPE	
MIX 1 MOTOR SPEED	
MIX 2 TYPE	

Item	Setting
MIX 2 MOTOR SPEED	
MIX 3 TYPE	
MIX 3 MOTOR SPEED	

Heat Pumps

Item	Heat Pump 1	Heat Pump 2	Heat Pump 3	Heat Pump 4
HEAT PUMP AVAILABLE				
HEAT PUMP MANUFACTURER				
HEAT PUMP SERIES				
HEAT PUMP MODEL				
HEAT PUMP SOURCE				
HEAT PUMP RELAY				
HEAT PUMP FUEL				
HEAT PUMP TYPE				
ELECTRICAL INPUT				
GAS INPUT				

Item	Heat Pump 5	Heat Pump 6	Heat Pump 7	Heat Pump 8
HEAT PUMP AVAILABLE				
HEAT PUMP MANUFACTURER				
HEAT PUMP SERIES				
HEAT PUMP MODEL				
HEAT PUMP SOURCE				
HEAT PUMP RELAY				
HEAT PUMP FUEL				
HEAT PUMP TYPE				
ELECTRICAL INPUT				
GAS INPUT				

Heat Pumps

Item	Heat Pump 9	Heat Pump 10	Heat Pump 11	Heat Pump 12
HEAT PUMP AVAILABLE				
HEAT PUMP MANUFACTURER				
HEAT PUMP SERIES				
HEAT PUMP MODEL				
HEAT PUMP SOURCE				
HEAT PUMP RELAY				
HEAT PUMP FUEL				
HEAT PUMP TYPE				
ELECTRICAL INPUT				
GAS INPUT				

Item	Heat Pump 13	Heat Pump 14	Heat Pump 15	Heat Pump 16
HEAT PUMP AVAILABLE				
HEAT PUMP MANUFACTURER				
HEAT PUMP SERIES				
HEAT PUMP MODEL				
HEAT PUMP SOURCE				
HEAT PUMP RELAY				
HEAT PUMP FUEL				
HEAT PUMP TYPE				
ELECTRICAL INPUT				
GAS INPUT				

Boiler

Item	Setting
BOILER AVAILABLE	
BOILER MANUFACTURER	
BOILER SERIES	
BOILER MODEL	
BOILER FUEL	
BOILER TYPE	
BOILER GROUP	
BOILER MASS	
FIRE DELAY	
BOILER HIGH OUTPUT	
MODULATION TYPE	

Item	Setting
BOILER LOW OUTPUT	
MODULATION DELAY	
MODULATION MOTOR SPEED	
START MODULATION	
MINIMUM MODULATION	
MAXIMUM MODULATION	
OUTPUT EMS SIGNAL MINIMUM	
EMS TEMPERATURE MINIMUM	
EMS TEMPERATURE MAXIMUM	
POST PURGE	

Alerts

Item	Setting
HOT TANK HIGH TEMPERATURE ALERT	
HOT TANK LOW TEMPERATURE ALERT	
COLD TANK HIGH TEMPERATURE ALERT	
COLD TANK LOW TEMPERATURE ALERT	
TANK HIGH TEMPERATURE ALERT	
TANK LOW TEMPERATURE ALERT	
MIX 1 HIGH TEMPERATURE ALERT	
MIX 1 LOW TEMPERATURE ALERT	
MIX 2 HIGH TEMPERATURE ALERT	
MIX 2 LOW TEMPERATURE ALERT	
MIX 3 HIGH TEMPERATURE ALERT	

Item	Setting
MIX 3 LOW TEMPERATURE ALERT	
HOT TANK NO HEAT ALERT ENABLE	
HOT TANK NO HEAT ALERT	
COLD TANK NO COOL ALERT ENABLE	
COLD TANK NO COOL ALERT	
TANK NO HEAT ALERT ENABLE	
TANK NO HEAT ALERT	
TANK NO COOL ALERT ENABLE	
TANK NO COOL ALERT	
BOILER SERVICE HOURS ALERT	
BOILER SERVICE CYCLE ALERT	

For Heat Pumps 1 to 16

Item	Setting
HEAT PUMP (n) SERVICE HOURS ALERT	

Item	Setting
HEAT PUMP (n) SERVICE CYCLES ALERT	

Security

Item	Setting
REQUIRE PASSCODE	

Item	Setting
PASSCODE	



A **WATTS** Brand