

ATLOSON

THERMAL SYSTEMS

DIGITAL CONTROLLER **AT1192**

INSTALLATION AND OPERATION MANUAL

OPERATION | MAINTENANCE | PARTS



HEAT DRIVES
POSSIBILITIES

01 Identification, safety and use

This manual accompanies model CONTROL [AT1192](#). Record SKU, serial number, voltage, fuel and revision before installation. Accessories, functions and protective devices depend on the supplied variant.

Controller for a compatible unit; install away from water splashes and direct heat. GSM requires a compatible module and network.

Reference	Application
AT1192	Compatible controller and ECU
Carbon monoxide: combustion gases must remain outside occupied spaces. Do not operate in a garage or other enclosed location. Keep intakes and flue outlets clear, especially after snow, mud or travel.	
Fuel smell, abnormal smoke, leakage or a CO alarm: stop use, move occupants away and have the installation inspected. Do not restart to conceal a fault. Contact emergency services if there is immediate danger.	
Fire and burns: keep combustible materials away from the appliance, hot ducts and exhaust. Do not use the service compartment for storage. Allow cooling before inspection and keep children away from hot surfaces.	
Power: use the nameplate voltage. Never increase a fuse rating or bypass protection. For a normal stop, allow the controlled cooling cycle to finish before disconnecting power.	
Stop before refuelling. Fuel, combustion, gas and mains work require a qualified professional. Install and maintain a CO detector suitable for the application according to its own instructions.	

02 Variant specifications

Reference	AT1192
Connection	Matching connector and ECU
Remote control	Compatible GSM module required
Power supply	Via a harness matched to the unit

03 Recommended applications and output selection

Use [AT1192](#) only with a compatible ECU and harness revision. For a coolant installation select menus and codes specific to that system. The GSM module is a separate option.

04 Step-by-step installation

STEP 1 - Identify the connectors

Check [AT1192](#) reference, revision and unit. Check the harness before connection.

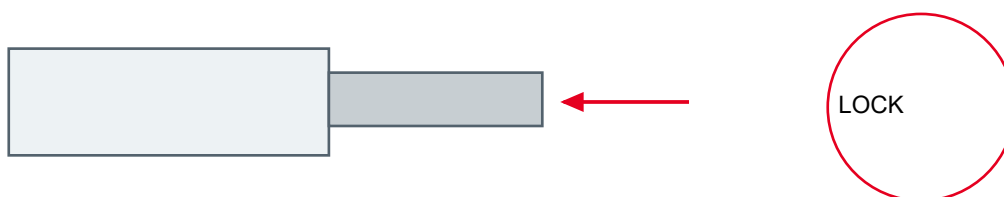
STEP 2 - Mount the controller

Select an accessible, dry location away from direct heat. Protect the cable against abrasion and tension.

STEP 3 - Connect with power off

Connect the matching ECU connector; do not apply battery voltage directly to a signal pin.

ACTION DETAIL - schematic



Connect with power off; check connector retention.

Observe connector keying. Do not force or modify pins.

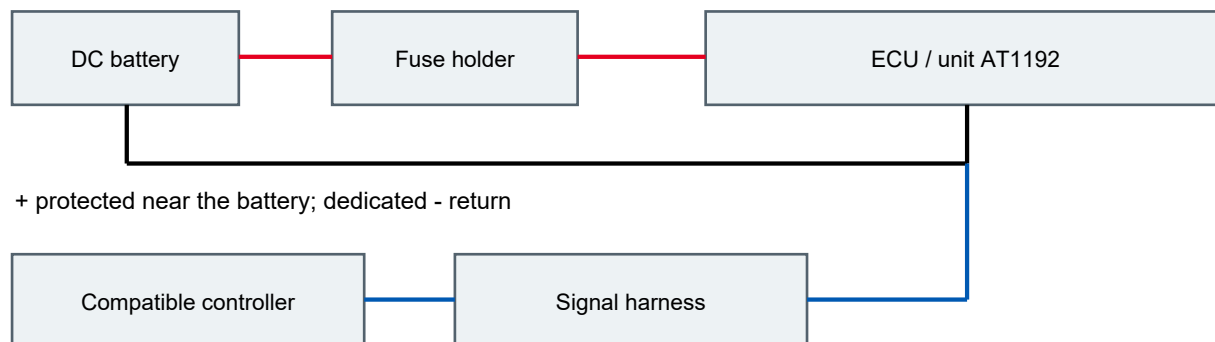
STEP 4 - Test locally

Check display, setpoint, starting and complete shutdown near the heater.

STEP 5 - Program after testing

Set time and programs, then test. For GSM use a module and network service compatible with the revision.

05 Electrical connections



Schematic. Pins, rating and voltage: use the supplied harness.

Maintain power during cooling. Normal shutdown uses the controller; do not install a switch that interrupts the cycle. Protect cables and connections against water, abrasion and heat.

06 Initial commissioning

Check	Result to verify
Rating plate and controller	SKU, voltage, fuel and connectors match
Mounting	Mountings, clearances, ducts and outlets checked
Fluid circuit	Filled and bled; no leaks
Supply under load	Voltage measured during starting
Complete cycle	Ignition, operation, setpoint and shutdown/cooling tested
Delivery	Rating-plate photo, measurements, date and installer recorded

07 Operation and controls



[AT1192](#) - controls for the illustrated air configuration. The coolant configuration uses its own menus.

On the documented OLED revision, a long press on the confirmation knob from the working screen controls on/off. The reference defines long as more than 2 s and short as less than 2 s. Confirm this behaviour on [AT1192](#) before issuing customer instructions.

For the documented air heater, short-press to open mode selection, rotate to choose, short-press to confirm and use Back to exit. Reference modes are power, thermostat and ventilation. Do not transfer these modes to coolant heating.

The coolant panel has specific coolant-temperature and duration settings. Check the applicable ranges, durations, menus and thresholds for the ATLOSON unit on the rating plate and supplied variant sheet. Do not use shortcuts from an older seven-day timer on the OLED panel.

Clock and timers: confirm firmware-specific labels and sequence, set the clock and supervise a test schedule. Disable unused events. Priming, resets, Bluetooth and updates require the exact revision manual.

GSM: confirm module reference, available network, SIM, wiring, commands and status feedback. No SMS command is assumed here. The panel alone does not establish that cellular connectivity is fitted.

The supplied T2000 manual describes holding the knob for 2 seconds to start or stop, a short press to select and rotation to adjust. On the corresponding revision, “Variable Heat” selects P1-P7; “Thermostat” sets cabin air at 5-35 °C; “Ventilation” runs the fan only. Select modes with the heater completely stopped. Flashing “OFF” means cooling; a dark screen does not prove shutdown. These air modes must not be applied to coolant heating. Confirm panel and ECU revision if screens differ.

For the revision in the T2000 PDF, set “Time” first. With the heater stopped, open “Timer”, select the arrow beside “Timer1”, “Timer2” or “Timer3”, then set “WEEK”, “START”, “Duration”, “MODE” and its value; save with “OK”. The stated minimum duration is 10 minutes. S M T W T F S runs Sunday to Saturday. Selecting the program name enables/disables it; the arrow edits it. Review all three programs and perform an attended test. Disable every timer before refuelling, entering an enclosed workshop or a hazardous area. Confirm labels and limits on other firmware.

The gear button opens settings. “Information” exposes “Heater”, “Panel”, “Air pressure” and “Run time” where available. The T2000 PDF states: steady blue initializing; flashing blue communication lost; steady green operating; steady red stopping; flashing green fault. Photograph the message before leaving the screen. GSM-compatible marketing does not include a module, SIM, service plan or protocol automatically. A “Bluetooth” menu does not establish GSM connectivity. Confirm hardware, network and exact commands; test remote control with an operator present.

Situation	Action
Identify the controller	Record the AT1192 reference, connector, installation voltage, unit type and revision. Controller, ECU and harness must be a compatible set. Resemblance to another OLED does not guarantee identical menus.
First use	Test starting and stopping near the unit, set time and setpoint, then check available modes and durations. Disable unused programs. For T2000 follow the actions documented in the reference ATLOSON manual.
Programming / GSM	Program or operate remotely only after installation and safety checks are validated. Confirm module, network service and compatibility before using GSM. Do not promise a Bluetooth app based solely on the GSM designation.
Fault / shutdown	Record the code and circumstances before resetting. Air and coolant fault tables differ. Stop with the controller and maintain cooling power. Do not clear repeated lockouts without addressing the cause.

08 Maintenance and winterization

When	Work
Before use	Check display, cable and connector.
After transport	Inspect controller mounting and cable.
Before the season	Test setpoint, clock, programs and complete shutdown.
After repair	Check connectors, settings and complete cycle.

Clean with a soft, slightly damp cloth with power disconnected. Do not spray cleaner onto the controller. Check programs after any power interruption or unit change.

09 Troubleshooting and fault codes

Symptom	Action
Display off	Check the permitted power supply, visible connection and identified protection device; a fuse that blows again requires professional diagnosis.
No ignition / flameout	Record the code and check fuel level and visible obstructions. Do not repeat starting or priming attempts; have fuel dosing and combustion checked.
Overheating / low heat output	Keep air passages clear. On a coolant circuit, allow cooling before checking the level; have air bleeding, circulation and pump checked. Do not bypass the sensor.
Smoke / odor / leak	Stop using the system and have it inspected before returning it to service. Do not tighten or repair a hot pipe.
Communication / remote control	Record the message and version. Have harness and protocol confirmed. For GSM, check the module and network availability with the installer.

Record the exact code before clearing it. Stop and allow cooling, check the power supply under load, then ducts and the fluid circuit. Correct the cause before a supervised test. A repeated fault requires workshop service.

10 Fault-code table - AIR

Table for the controller/ECU of this family. The same number may have a different meaning on another revision.

Code	Meaning
00	Missing or lost communication
10 / 12	Ignition failure / lockout by code
20 / 24	Flameout
30	Voltage too high
31	Voltage too low
40 / 41 / 42	Overheat or abnormal temperature by code
50 / 51	Flame detection / sensor circuit
52 / 53	Temperature sensor / circuit / limit
65 / 66 / 67 / 68 / 69	Temperature sensor / circuit / limit
70 / 71	Metering pump circuit
80 / 81 / 82 / 83 / 84 / 85	Blower: circuit, speed or start
90 / 91 / 92 / 93	Glow plug / circuit / version
A2 / A4	Overheat or abnormal temperature by code
A9	Abnormal power interruption
B4 / B5	Temperature sensor / circuit / limit
C0 / C1	Auxiliary output/equipment circuit
C4 / C5	Controller circuit
D0 / D1	ECU / memory
D3	Maintenance requested
E0 / E1 / E2 / E3	Ignition / glow / flame monitoring
EE	Unidentified fault

11 Fault-code table - COOLANT

Table for the controller/ECU of this family. The same number may have a different meaning on another revision.

Code	Meaning
00 / B0	Missing or lost communication
10	Voltage too high
11	Voltage too low
12 / 14 / 15 / 17	Overheat or abnormal temperature by code
13 / 50	Ignition failure / lockout by code
20 / 21 / 22	Glow plug / circuit / version
30 / 31 / 32 / 33 / 84 / 85 / 86	Blower: circuit, speed or start
38 / 39	Auxiliary output/equipment circuit
41 / 42	Circulation pump circuit
45 / 46	Auxiliary output/equipment circuit
47 / 48	Metering pump circuit
51 / 52 / 55 / 64 / 65	Flame detection / sensor circuit
60 / 61 / 62 / 71 / 72	Temperature sensor / circuit / limit
91 / 99	ECU / memory
A9	Abnormal power interruption
AA / AB / AC / AD / AE / AF	Self-test failure by circuit
D3	Maintenance requested
E0 / E1 / E2 / E3	Ignition / glow / flame monitoring
EE	Unidentified fault

12 Parts, kits and purchasing

Order by part number and variant. Drawing callouts are not SKUs. Check voltage, fuel and connector before replacement. A complete-system reference is not a maintenance kit.

Reference / purchase	Catalogue description
AT1192	Digital control switch, GSM compatible

Records and support

Date / hours: _____ Work / parts: _____

Keep the invoice, SKU, serial number and history. For assistance, provide a nameplate photo, code and symptom.

[ATLOSON support](#)