

USER MANUAL

HEATER EUROHEATER 2D



TACTICAL HEATING SYSTEMS

WARNING

- Never operate the heater indoors or in enclosed, unventilated areas (such as garages). Risk of poisoning or suffocation due to exhaust gases.
- Do not disconnect the power supply while the heater is operating or during its shutdown cycle. This may cause damage to the unit.
- Keep the casing closed during operation to prevent water damage to the heater.
- Keep the air outlet hose free from obstructions to prevent overheating and automatic shutdown of the heater.
- Operating the heater in locations where flammable vapors, gases, or where large amounts of dust may accumulate (e.g., gas stations, petroleum facilities, or storage areas for coal, timber or grain) is **PROHIBITED**.
- Do not operate the heater if flammable particles or liquids are in or near the exhaust outlet.
- Do not operate a defective Euroheater. Using a damaged or malfunctioning unit may result in injury.

CONTENTS

1	INTRODUCTION	4
	1.1 Before you start	
	1.2 Illustration	
2	HEATER OPERATION GUIDE	6
	2.1 Setup	
	2.2 Operation	
	2.3 After Use	
	2.4 Note	
	2.5 Fuel	
3	MALFUNCTION AND TROUBLESHOOTING	7

1 INTRODUCTION

1.1 Before you start

Before using our product, we want to ensure your safety and the best possible experience.

Please take the time to carefully read through these instructions and guidelines.

They contain important information about setup, operation, maintenance, and safety precautions.

1.2 Illustration

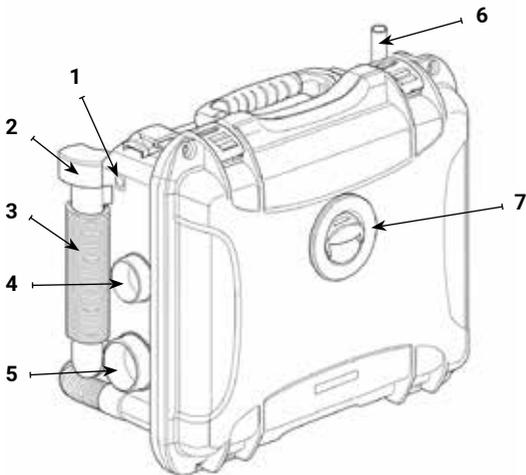


Fig. 1-1

- 1 Control unit input
- 2 Air intake filter
- 3 Muffler air inlet
- 4 Hot air outlet
- 5 Return/fresh air inlet
- 6 Exhaust pipe
- 7 Air valve



Fig. 1-2

- 1 Power input, 12VDC
- 2 Fuel tank
- 3 Exhaust pipe

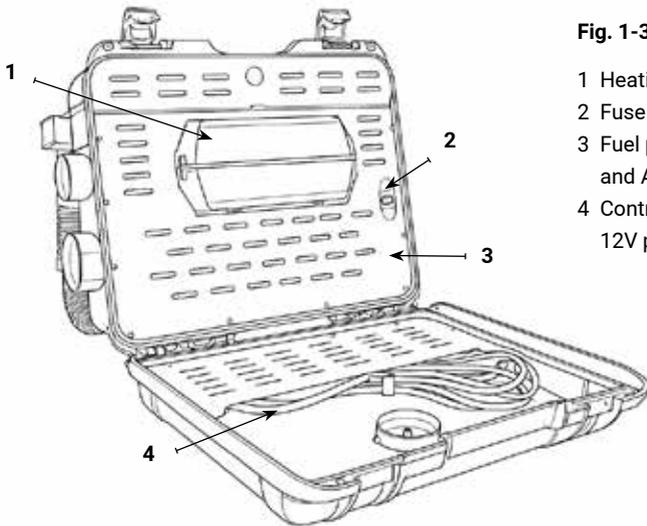


Fig. 1-3

- 1 Heating unit
- 2 Fuse box
- 3 Fuel pump, Exhaust pipe and Air intake pipe
- 4 Control panel and 12V power cord

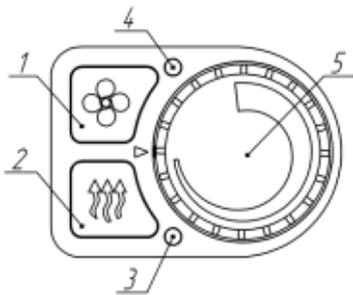
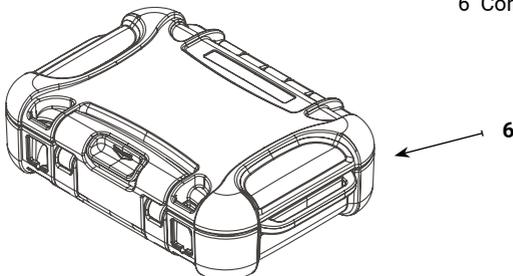


Fig. 1-5

Control panel PU-5

- 1 Ventilation mode on/off button
- 2 Heater mode on/off button
- 3 Operation LED indicator light
- 4 Ventilation mode LED indicator light
- 5 Air flow regulator
- 5 Control panel case, water- and dustproof.
- 6 Control panel case



2 HEATER OPERATION GUIDE

2.1 Setup

- Place the heater outdoors on a flat, stable surface.
- Connect the control cable to the socket on the portable heater.
- Connect the 12V power cable to the connector on the portable heater.
Then connect it to the battery and check polarity:
 - Red = (+)
 - Black = (-)
- The green light on the controller will flash several times.
The heater is ready for operation when all lights are off.
- Attach the hot air hose to the air outlet of the heater (Fig. 1.1).

2.2 Operation

- To start the heater, press the Heat button  once.
The lower light will turn solid yellow, and the heater will start within approximately one minute.
- Adjust the heating output by turning the dial on the controller.
- To stop the heater, press the Heat button  once. The lower light will begin to flash while the heater completes its cooling cycle. The heater is ready for a new operation when the lower light is off. Once the heater is off, the power supply may be disconnected.

2.3 After Use

- Unplug the power cable and disconnect it from the power source.
- Disconnect the control cable, and store both the cables and controller inside the portable heater (Fig. 1.3).

2.4 Note

During the first startup, the unit may display error code 02 (two orange flashes on the controller). This is normal and caused by an unprimed fuel system. Allow the heater to stop completely. Press the Heat button  once to reset the unit. Press the Heat button  again to restart the heater.

- If the heater is equipped with a closable vent, keep the vent open during operation.
- **Do not** store diesel fuel in the tank during off-season periods.
- **Do not** extend the power cable or use a cigarette lighter plug for power connection.

2.5 Fuel

Diesel, F34/JP-8, Kerosene (recommended for cold temperatures or high altitudes)

3 MALFUNCTION AND TROUBLESHOOTING

Number of flashes	Error description	Troubleshooting
1	Heat exchanger overheating.	Check the heater inlet and outlet pipes for obstructions.
2	All attempts to start failed.	Check the fuel supply (check the fuel line). Check the combustion air intake and exhaust pipe for obstructions.
3	Too many flame failures during operation.	Check the fuel supply. Check combustion air intake and exhaust pipe for obstructions.
8	No communication between controller and heater.	Check connecting wires and connectors. Controller does not receive data from heater.
9	Shutdown due to overvoltage: exceeds 16V.	Check battery, voltage regulator, and power supply.
	Shutdown due to undervoltage: below 10V.	
10	Ventilation time exceeds the limit. Overheating of the control unit (CPU).	Check the air intake and the exhaust pipe for obstructions.
4	Faulty glow plug.	Replace glow plug.
5	Faulty flame detector.	Replace flame detector.
6	Faulty temp. sensor in CPU.	Replace CPU.
7	Faulty fuel pump.	Replace fuel pump.
11	Air blower malfunction.	Check heater air intake for obstructions. Replace air blower assembly.



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