



## Automatic Refueler for 2kW Generator Sets



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**P/N: 100474-501 (110V AC)**

**P/N: 100474-502 (28V DC)**

The Dewey Electronics Corporation  
[www.deweyelectronics.com](http://www.deweyelectronics.com)

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## REFUELER GENERAL OVERVIEW

The Refueler is an automatic refueling system manufactured by The Dewey Electronics Corporation for 2kW AC and DC generator sets. This document provides general overview and summary ratings of the Refueler.

The Refueler is powered by the generator set it is connected to. The suction line can connect to a 20L military fuel can or other fuel source. The feed line and float assembly attach to the filler neck on the 2kW generator fuel tank. When switched on, the Refueler detects low tank level and switches on the pump until the tank is full. If refueling time is excessive due to leaks or an empty fuel source, the pump will automatically switch off after a predetermined length of time and the fault indicator will illuminate. The suction line and float assembly are stored within the case. The float assembly fits in a hard shell housing that both protects the float and catches any dripping fuel. Straps are provided to secure the float and the power cord. No disassembly is required for storage.

Controls consist of a toggle switch for power. LEDs indicate power, pump function, and faults. The Refueler is protected by an easily replaced fuse, and a spare fuse is included.

The Refueler is compatible with DF-1, DF-2, JP-5 and JP-8 fuel. The system is watertight and can operate between -25°F and 130°F at altitudes up to 10,000 ft.

<b>ELECTRICAL RATINGS</b>	<b>100474-501 (AC)</b>	<b>100474-502 (DC)</b>
Input	110V AC	28V DC
Power Draw	60W Peak	
<b>SIZE AND WEIGHT</b>		
Length (Closed for Storage)	13.4"	
Width (Closed for Storage)	11.6"	
Height (Closed for Storage)	6.0"	
Weight	12 lbs	
<b>OPERATING ENVIRONMENT</b>		
Temperature	-25°F To 130°F	
Altitude	-100 ft To 10,000 ft	
Fuel	DF-1, DF-2, JP-5, JP-8	
<b>PUMP SPECIFICATIONS</b>		
Flow Rate	23 gph Max	
Pressure	6.5 psi Max	
Lift Height	72"	
Priming	Self-Prime	

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