

For Residential and Commercial Polyethylene Pipe Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series TRCU-M1

TRITON™ Control Unit

TRITON™

The TRITON Series TRCU-M1 Control Unit is designed to convert 110/120 VAC current to DC current and then create radio frequency (RF) signal. The Control Unit is supplied with a 10' long GFCI-protected power cord and a 25' long coaxial Fuser cable. The Control Unit is designed to provide RF signal to the TRFW Fuser to complete the fusion process. The Control Unit is self-contained and self-calibrating. The Unit will sense ambient conditions when powered on and make automatic adjustments to the joining cycle based on Fuser size and ambient environmental conditions. The power consumption for fusion is less than 100 watts.

TRITON operating temperature range:

15° to 140°F (-9° to 60°C)

TRITON storage temperature range:

-20° to 200°F (-28° to 93°C)

Specifications

The system should be plumbed using Watts TRITON Pipe Fusion Fittings. Each TRITON Fitting incorporates the TRITON Fuse-Tel™ indicator that extrudes on completion of the joining process, providing a visual and tactile indication that the fusion is complete. The TRITON Pipe Fusion system operates on 110/120 VAC power and utilizes a 13.56MHz ISM band frequency in conjunction with a dual susceptor imbedded in the Fitting to complete the fuse.

Follow all building codes, standards, and regulations when using the TRITON Pipe Fusion system.



TRCU-M1

TRITON Power Requirement:

1. AC Power Supply:

Voltage and current range: 108 VAC to 132 VAC, 2 Amperes on a minimum of 10 Amperes circuit breaker.
Frequency range: 50 Hz to 60 Hz.

2. Extension Cord:

Use 16 AWG, 3 wires extension cord.
Maximum cord length: 200 feet.

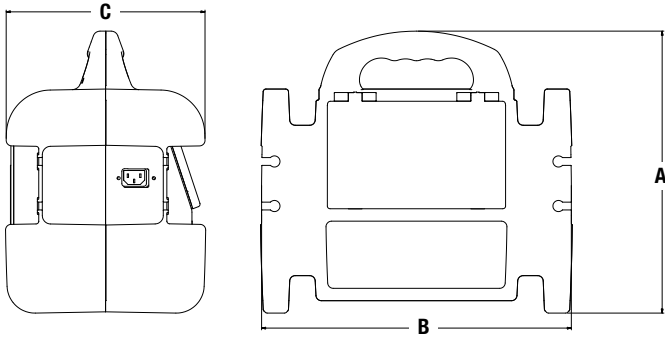
3. Portable Generator:

Voltage: 120 VAC, 60 Hz, clean power source portable power generator.

Minimum power output specification: 1500 Watts start/1200 Watts rated.

Grounding Requirement: Use power generator manufacturer suggests grounding.

Dimensions — Weights



MODEL	DESCRIPTION	DIMENSIONS						WEIGHT	
		A		B		C		Lb	g
		<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>		
TRCU1-M1	CONTROL UNIT	12 ³ / ₄	323.9	14	355.6	9	228.6	11.00	4.994



A Watts Water Technologies Company



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