

Type(s)  
Project  
Date  
Notes

**GENERAL INFORMATION**

The ArcMesh Transmitter allows DMX to be transmitted wirelessly to any ArcSystem lighting component. The compact and robust enclosure is designed for wall-mounted permanent installation. The ArcMesh Transmitter has three knockouts on the bottom panel to allow direct conduit connection of mains power and DMX. The unit includes an antenna that connects to the top of the enclosure (see technical drawings below).

To maximize the effectiveness of the ArcMesh Transmitter, it is recommended to install the unit into the same geographical location as the majority of the ArcSystem luminaires. All ArcSystem luminaires have the ability to rebroadcast the wireless signal (each device is a configurable transceiver), meaning a good wireless system coverage is possible even when the ArcMesh Transmitter is out of range.

**APPLICATIONS**

- Auditoriums
- Work lights
- Lobbies
- Houses of worship
- Museums
- Studios

**FEATURES**

- Single- or dual-gateway operation for system redundancy
- Encrypted wireless service cannot be seen by standard wi-fi adapters, providing top level system security
- 64 ArcMesh channels patchable to 512 DMX channels
- Non-volatile memory retains setting if power is lost
- One ArcMesh Transmitter can control up to 100 fixtures
- Multiple ArcMesh Transmitters can be uniquely identified using different network IDs - up to 16 in total
- Two AUX (closed contact) inputs per unit for remote triggering of stored scenes from third-party equipment, such as fire panels

**ORDERING INFORMATION**

MODEL	DESCRIPTION
ARCMTX1	ArcMesh Transmitter

**SPECIFICATIONS**

**ELECTRICAL**

- 100–240 VAC mains input
- Internal terminal block for connection of line voltage input
- 5 W Max Power

**CONTROL**

- DMX512 control input (terminal strip connection)
- Active DMX output to allow third party devices to be controlled via ArcMesh 8 button panel (See separate datasheet)
- TX1 system features include:
  - Dimming control and level setting
  - Patching
  - Fail-safe options for loss of DMX
  - Wireless transfer of configuration settings for backup
  - System password protection
  - Group setup and fade times

**MECHANICAL**

- High-grade metal construction
- Fine-texture, high-temperature, powder-coated paint finish
- Three knock-outs in bottom of TX1 to allow direct connection of line voltage/control cables via conduit or strain relief

**THERMAL**

- Operating temperature range: 0°–40° C (32°–104° F)

**USER INTERFACE**

- Onboard LED status indicators



PHYSICAL

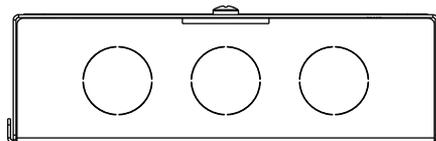
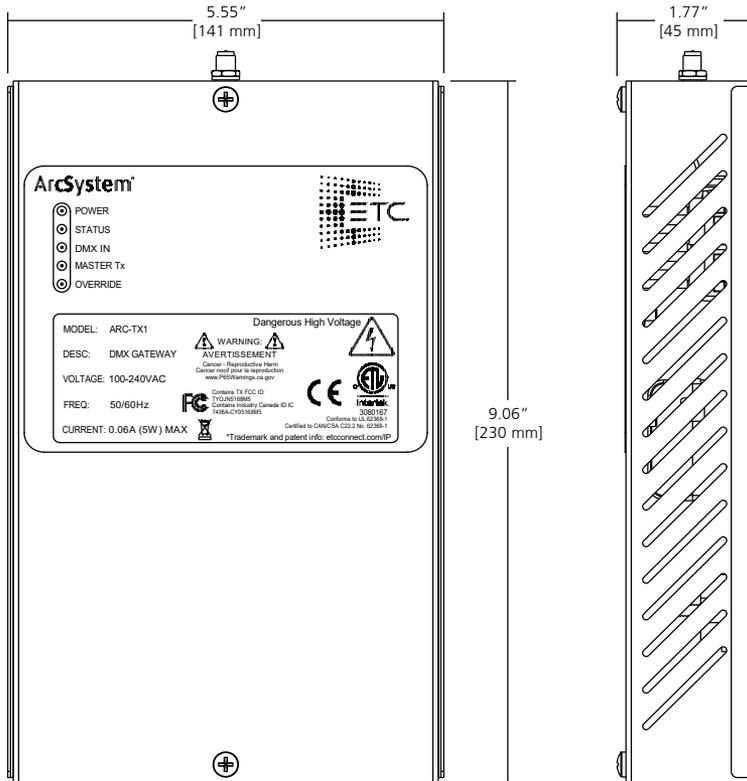
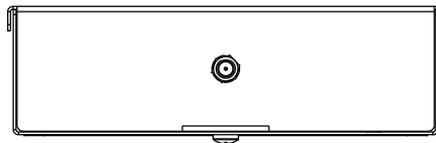
Product Dimensions

MODEL	HEIGHT*		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
ARCMTX1	9.1	230	5.5	141	1.8	45

\*Excludes antenna (Height including antenna 13.5 in/344 mm)

Product Weight

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
ARCMTX1	1.98	0.9	2.3	1.04



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