

18x16x10 UL Listed Polycarbonate Weatherproof NEMA 3R IP24 Enclosure,
120 VAC Mount Plate, Solid State Thermostat Dual Fan, Dark Gray



TEPC181610-10FS-UL

Features

- UL Listed® High-Impact, UV Resistant Polycarbonate (Dark Gray)
- Stainless steel latches with padlock eye
- NEMA Type 4X / IP66* rated (includes (4x) optional lid corner screws**)
- Fully gasketed lid & user installed wall mounting brackets
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & solid state controlled cooling system

Applications

- Indoor and outdoor installations
- Protection of equipment from theft or damage
- Rapid Deployment Installations
- Corrosive environments & hotspot applications
- Remote Wireless LAN WiFi equipment installations

Description

UL® Listed Enclosures

The TEPC181610-10FS-UL is approved and listed with UL, meeting the stringent requirements for Communication Enclosure System 40XX.

The UL listing number is E505359. Use this enclosure when UL listed products are required by the project. Other UL listed enclosures are available with many popular features.

The box is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from High-Impact, UV Resistant Polycarbonate material that provides superior durability to impacts and ease of modification while maintaining minimum weight. It is well suited for high temperature or corrosive environments. The lid includes two vents with installed rain guards and filters. The included wall mount brackets come uninstalled and bagged with their hardware inside of the enclosure. Once the brackets are installed the enclosure can be mounted directly to any flat wall surface provided proper screws are used into secure studs. The brackets, once installed, also allow you to use our TEF-PMT pole mount kits. The lid features a non-metallic hinge system that allows for quick removal & can be reattached just as quickly without the need for any tools. The enclosure comes with a pair of stainless-steel latches with padlock eyes allowing you to secure the enclosure from tampering. The enclosure comes in Dark Gray (Pantone 422C).

Mounting Plate

The aluminum mounting plate included with the TEPC181610-10FS-UL features standard surge protected duplex 120 VAC outlets and a terminal block for easy hook up to externally provided line power. The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug and cable conduit connector.

Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. With the built-in cooling fan, internal temperatures can be better maintained. This model is ideal in Hot environments. The fan is controlled by an integral high current solid state AC relay. The relay features Zero Cross Detection for EMI reduction.

For Cooling the TEPC181610-10FS-UL includes our exclusive solid state temperature controller connected to dual 16.4W (32.8W total) fans. The high airflow, low noise fans used allow warm air to be actively pushed out the top vent while the second fan on the lower vent actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The

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controller features improved temperature set point accuracy. The fans turn on when the internal temperature rises to 90° F (32° C) ± 5 ° and turn off at 81° F (27° C) ± 5 °. The cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

The TEF-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

Compatible versions include TEF-PMT13, TEF-PMT16, TEF-PMT28, TEF-PMT29, TEF-PMT30 & TEF-PMT33

Weight	21 lbs	[9.53 kg]
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Compliance Certifications

UL Listed	E505359
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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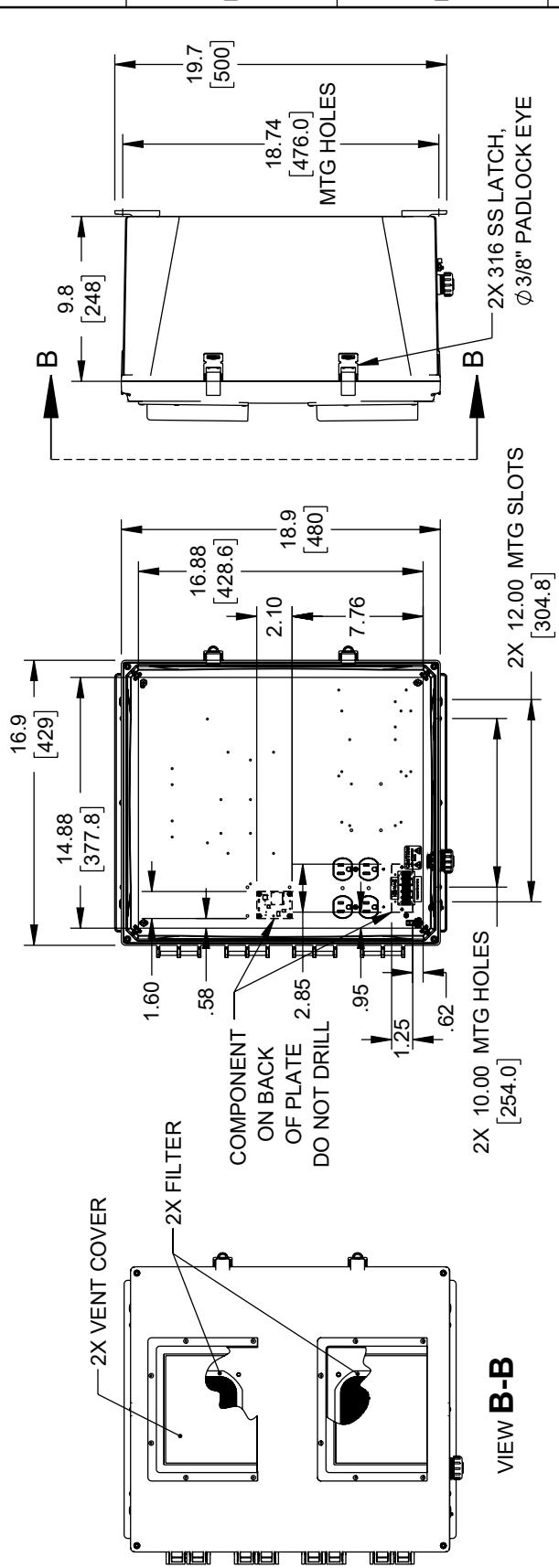
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

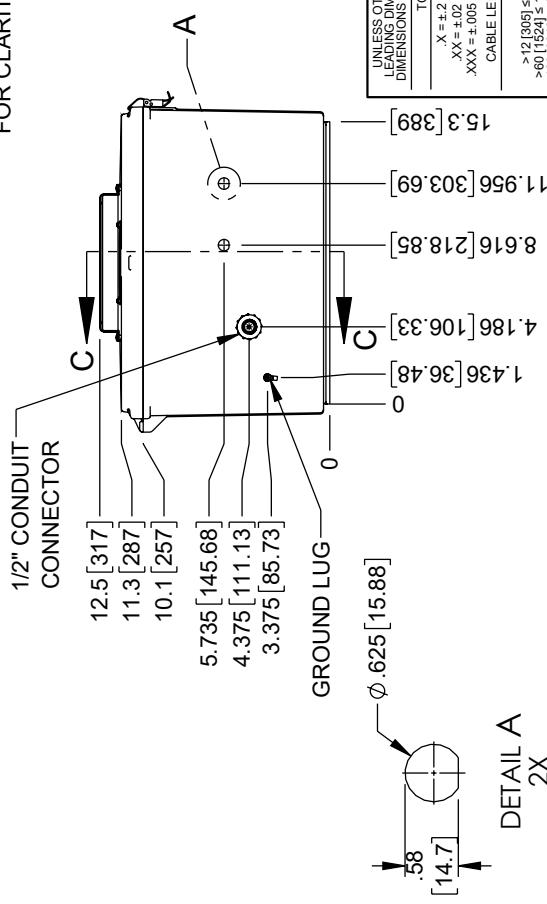
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TEPC181610-10FS-UL CAD Drawing

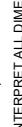
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
3	A	INITIAL RELEASE	07/22/2023	BPUCHASKI	MMARTINEZ



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<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="1"> <tr> <td>$X = \pm 0.25 [0.5]$</td> <td>FRACTIONS</td> </tr> <tr> <td>$XX = \pm 0.02 [0.5]$</td> <td>$\pm 1/32$</td> </tr> <tr> <td>$XXX = \pm 0.005 [0.13]$</td> <td>ANGLES</td> </tr> </table> <p>CABLE LENGTH TOLERANCES:</p> <table border="1"> <tr> <td>$>12 [305] = \pm 1 [25]$</td> <td>$\pm 1/8$</td> </tr> <tr> <td>$>60 [1524] = \pm 2 [51]$</td> <td>$\pm 1/16$</td> </tr> <tr> <td>$>20 [3048] = \pm 3 [76]$</td> <td>$\pm 1/32$</td> </tr> <tr> <td>$>20 [3048] = \pm 3 [76]$</td> <td>$\pm 1/64$</td> </tr> </table>		$X = \pm 0.25 [0.5]$	FRACTIONS	$XX = \pm 0.02 [0.5]$	$\pm 1/32$	$XXX = \pm 0.005 [0.13]$	ANGLES	$>12 [305] = \pm 1 [25]$	$\pm 1/8$	$>60 [1524] = \pm 2 [51]$	$\pm 1/16$	$>20 [3048] = \pm 3 [76]$	$\pm 1/32$	$>20 [3048] = \pm 3 [76]$	$\pm 1/64$	<p>WEBSITE: www.Transpector.com</p> <p>PHONE: 1-800-852-9110 1-208-635-6400</p>
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		DESCRIPTION	NEMA ENCLOSURE, POLYCARBONATE, 18X16X10" WEATHERPROOF 120VAC 'WFANS, SOLID STATE CONTROLLER													
		ITEM NO.	TEPC181610-10FS-UL													
		SIZE	REV													
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		CAGE CODE	DRAWN BY													
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