Larson Electronics LLC
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Fax: 903.765.7664

Product ID: 294490

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-PML-R24-1P-GMQ-100KVA-SZ-LT-DF-A6-BM-CZ-1K4-M2 Pad Mount Transformer	Ratings
Transformer Type: Pad Mounted, Compartmental-Type I	Meets/Exceeds DOE 2016 Efficiency Ratings
Transformer Configuration: Liquid Filled Pad Mounted	Meets/Exceeds CSA Efficiency Ratings
Transformer Feed Type: Loop Feed	Complies with ANSI / IEEE C57.12.00
Polarity: Additive	Complies with ANSI / IEEE C57.12.21
Phase: Single Phase (Connects to 3-Phase electrical grid)	Complies with ANSI / IEEE C57.12.25
Capacity: 100 KVA	Complies with ANSI / IEEE C57 12.28
Vector Group: II6	Complies with ANSI / IEEE C57 12.29
Primary Voltage: 13200GrdY/7620	Complies with ANSI / IEEE C57 12.35
Primary Voltage Switch: N/A	Complies with ANSI / IEEE C57 12.38
Primary Voltage Class: 15 kV Class	Complies with ANSI / IEEE C57.12.70
Primary Phasor: Grounded Wye	Complies with ANSI / IEEE C57.12.110
Primary BIL: 95 KV	Complies with ANSI / IEEE C57.12.131
Secondary Voltage: 240/120 (L-N-L) for 120/240V Distribution	Complies with ANSI / IEEE C62.11
Secondary Voltage Class: 1.2 kV Class	Complies with ANSI / IEEE C62.22
Secondary Phasor: Dual Winding Single Phase	Complies with ANSI / IEEE 386
Secondary BIL: 30 KV	Complies with ANSI / IEEE C2
Frequency: 60 Hz	Complies with ANSI / IEEE C37.47
Temperature Rise: 65°C	Complies with ANSI Z535.4
Insulation Rating: Class E Insulation - 120°C, 248°F	Complies with ASTM D3487
Cooling Class: ONAN; Self-Cooled	Complies with ASTM D6871
Forced Air (Fans): None	Complies with NEMA 260-1996
Tap Changer: 5-Position Tap Changer, Hot Stick Operable	Complies with 10 CFR Part 431
Tap Qty: (2) FCAN Above Taps, (2) FCBN Below Taps	Complies with CSA C2.1-06
Tap %: ~2.50% - 7200V, 7410V, 7620V, 7970V, 7795V Taps	Complies with CSA C50

Tap Changer Switch Rating: 200-Amp, 15 kV
Tap Changer Switch Location: Front Compartment, High Voltage (HV) Left Side
Impedance: 1.7-2.7% Typical
Primary Connection Type: Dead Front
Primary Termination Arrangement: ANSI Type I Arrangement
Primary Termination: Externally Clamped Well Bushings w/ Removable Studs, 200A Load Break Elbows w/ Inserts
Primary Connection Qty: (2) Primary Connections for use w/ Elbow Connectors
Primary Parking Stand Qty: (1) Welded Bracket for Installing Accessory Parking Stand Bushings
Primary Bushing Rating: 15 kV Class, 95 kV BIL, 200A, Load Break, IEEE 386 Color Red
Primary Surge Arresters: N/A
Primary Surge Arrester Voltage Rating: N/A
Primary Surge Arrester MCOV Rating: N/A
Primary Over Current Protection (OCP): C09 Curve, 25A Rated, Current Sensing Dual Element Bayonet Fuse in series w/ A05 Current Curve Isolation Link
Primary Over Current Protection Method: Fused, Oil-Immersed & In-Tank
Primary Over Current Protection Holder: Bayonet Fuse Holder w/ Flapper Valve and External Drip Shield
Primary Neutral Connection: Primary H2 Neutral Internally Bonded to Tank
Primary Grounding Provisions: (1) Welded Ground Bung, 1/2”-13 UNC Tapped Hole, 7/16” Deep Bung, w/ Grounding Terminal Clamp for 2/0-8 AWG Stranded Wire
Secondary Connection Type: Live Font
Secondary Termination Arrangement: ANSI Type I Arrangement
Secondary Over Current Protection (OCP): N/A
Secondary Connections: Jam Nuts, w/ (1) Jam Nut on X3 and X1, and (2) Jam Nuts on X2
Secondary Connection Qty: (3) Externally Clamped One-Piece Epoxy Bushings w/ 1"-14 x 1-3/4" Long Copper Threaded Studs
Secondary Neutral Connection: Secondary X2 Neutral Grounded to Tank via 1/2”-13 UNC Tapped Hole, 7/16” Deep Bung & Copper Ground Strap
Secondary Grounding Provisions: (1) Welded Ground Bung, 1/2”-13 UNC Tapped Hole, 7/16” Deep Bung, w/ Grounding Terminal Clamp for 2/0-8 AWG Stranded Wire
Metering Current Transformer (CT): N/A
Metering Panel: N/A
Auxiliary Control Panel : N/A
Load Break Switch: 4-Postion LBOR, Hot Stick Operable
Load Break Switch Qty: 1
Load Break Switch Rating: 200-Amp, 15 kV, 10kArms
Load Break Switch Location: Front Compartment
Efficiency Standard(s): Meets DOE 2016 Standards, Meets CSA Standards Meets ANSI/IEEE Standards
K-Factor Rating (Harmonic Mitigation): K-1 (Standard)
Pulse Drive Rating: N/A
Insulation Fluid: Mineral Oil - Non PCB Fluid
Fluid (Oil) Capacity*: 63.56 Gallons
Fluid (Oil) Weight*: 573.19 Lbs
Liquid Level Indicator: N/A
Temperature Indicator: N/A
Pressure/Vacuum Indicator: N/A
Pressure Relief Device: Automatic Action, Cracking Pressure @ 10 PSIG, Releasing Pressure @ 8 PSIG, Flow @ 15 PSIG (50 SCFM) @ 14.7 PSGI
Fault Indicator: N/A
Fault Indicator Provisions: : (3) 5/16" Dia. Mounting Provisions in Base Sill. (1) on Left Side 3" From Front Edge, (1) on Right Side 3" From Front Edge, (1) on Front Left Side, 3" For Left Edge
Gas Sampler Valve: N/A
Fill Valve: 1/2" NPT w/ Removable Bolt Plug, Fill Plug at 25°C Oil Level

Complies with CSA C88
Complies with CSA C88.1
Complies with CSA C88-16
Complies with CSA C227.3
Complies with CSA C802.1
Complies with CSA C802.2
Complies with CSA C802.3

Features

Pentahead Bolt Entry Assembly
High-Fire Point Insulating Fluid
Non-PCB Insulating Fluid
Tamper Proof Housing
NEMA 3R Wiring Compartment
Lift-Up Pad lockable Lid

Efficiency: 99.00%

Based on transformer operating at 50% of nameplate base kVA.

Load Losses Based on 85°C Reference Temp.
No Load Loss (in watts)*: +/- 273W
Load Loss (in watts)*: +/- 1,105W
Total Load Loss (in watts)*: +/- 1,378W

Note: *Losses offered are typical only, not guaranteed*

Labeling:

Externally Stencilled (Painted) KVA Rating
Externally Stencilled (Painted) Voltage Rating
External Non-PCB Label
External Warning & Danger Label
External Barcode Label
Internal Busing & Accessory Labeling
Stainless Steel Riveted Nameplate

Factory Tests:

Winding Resistance Test
Insulation Resistance Test
Voltage Ratio Error Test
Short-circuit Impedance Test
No-load Loss (Wattage) Test
Load Loss (Wattage) Test
Induced Voltage Withstand Test
Separate Source Voltage Withstand Test
Pressure Integrity Test Test

Fill Valve Location: Front Compartment
Drain Valve: 1/2" NPT w/ Removable Bolt Plug, w/o Sampler Valve
Drain Valve Location: Front Compartment
Winding Material: Copper

Ambient Temperature Rating: 40°C

Ambient Operating Temperature Range: -40°C to +40°C (-50°F to +104°F)

Sound Level: 51 dBA
Elevation (Altitude): 3300ft (1000 meters) Above Sea Level or Below
Core Material: Grain Oriented Steel
Tank Material: Coated Steel
Cabinet Material: Coated Steel
Base Platform Material: Coated Steel
Portability: Lifting lugs, 5/8"-11 Thread, Compatible w/ 2.5"-" Lifting Bolts
Housing Type: Low Profile Air-Filled Cabinet w/ Locking Hinged Door, HV/LV in Same Compartment ,Tamper Resistant, w/ Pad-lockable Lift-up Lid, w/ 2.5" Access Hole on Front Base Sill
Enclosure Rating: NEMA 3R Weatherproof Wiring Cabinet, Sealed Tank
Paint Type: Weatherproof and UV Resistant Epoxy Coating Top Coat, Heavy Duty Primer Base Coat, Corrosion Resistant Undercoating and 2" Up Sides of Base Sill and Tank
Finish Color: Munsell™ 7.0 GY 3.29/1.5 Bell Green

Mounting: Pad Mount
Conduit Opening: Bottom Feed Underground Entry/Exit
Compartment Base Wireway Dimensions*: 34"-L x 19"-D
Compartment Cabinet Depth: 19"-D
Dimensions*: 36.5"-W x 42.5"-D x 38"-H
Dry Weight (w/o Oil)*: 617.28 Lbs
Total Weight (Liquid Filled)*: 1499.12 Lbs
*Please note that numbers are approximate and subject to change

Shipping:
Shipped on pallet on open flatbed
Palletized on Wooden Pallet w/ Skid Pockets
Pallet Skid Facing Outward Sides of Truck
Note: *For low quantity purchases, enclosed truck can be requested*
Note: *Crated shipping in lieu of palletizing can be done upon request for an additional fee*

Cross for Entergy Equipment # 13782
Complies with Entergy Standard DE03-01
w/ Non-Standard Bushing Layout

Special Orders - Special Requirements
Contact us for special requirements
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Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-PML-R24-1P-GMQ-100KVA-SZ-LT-DF-A6-BM-CZ-1K4-M2 Industrial Pad Mount Transformer from Larson Electronics is equivalent to Entergy # 13782 (modified version in Type I bushing layout). This unit complies with Entergy Standard DE03-01 except for bushing layout.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Design Features:
Pad Mounted, Liquid Filled, Sealed Tank transformer
Off-Load Tap Changer
7970V & 7795V Above Nominal Taps
7410V & 7200V Below Nominal Taps
Primary 95 kV BIL, 15 kV Insulation Class
Secondary 30 kV BIL, 1.2 kV Insulation Class
1.7-%-2.7% Impedance
ANSI Type I Bushing Layout
Compartmental Design, HV Left & LV Right
Can operate at up to 4° Tilt w/o Derating
Pentahead Locking Device w/ Padlock Provisions
304 Stainless Steel Hinges & Hardware
3" Length, 0.34" Dia. Hinges Welded to Lid/Tank
Removable Base Sill
(3) 5/16" Dia. Fault Indicator Mounting Provisions on Base Sill

Additional 2.5" Access Hole on Secondary Side, 6" From Faceplate
Fault Indicator & Access Holes Include Removable Cover Plates
Heavy Duty, Corrosion Resistant Primer Coat
Munsell 7GY 3.29/1.5, 3 Mil Thick Top Coat
Additional Corrosion Resistant Coating for Base and 2" From Base
Lifting Lugs, 5/8"-11 Thread, Compatible w/ 2.5"-" Lifting Bolts
Primary 200A Load Break Bushing Wells w/ Inserts
Secondary Copper Studs w/ Jam Nuts
Bayonet Fuse in Series w/ Isolation Link
Automatic Pressure Relief Device
Stainless Steel Nameplate, Blue Coating w/ White or Black Letters
Nameplate w/ Barcode
Fill & Drain Plugs, Fill Plug at 25°C Oil Level
Cabinet Internal Markings in Yellow Stencil, Minimum 1" Tall
Cabinet Internal Danger Decal
External Safety Warning Decal, Bi-Lingual
External KVA, Primary Voltage, Secondary Voltage Stencils, Minimum 2" Tall
External Entergy Standard Equipment # Stencil, Minimum 2" Tall
External Entergy Barcode & Supplier Temporary Barcode

Applications: General purposes, industrial sites, electrical rooms, underground vaults, manufacturing facilities, steel plants, offshore, commercial, military, processing plants, electric power distribution, utilities, public locations and more.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

Q. What is the warranty of this transformer?

A. 12 months from point of connecting electrical service to the transformer or 18 months from point of ordering, whichever comes first.

Q. Can this transformer be customized?

A. Yes, Larson Electronics allows for customization of all transformers. Please send customization requests to sales@larsonelectronics.com. If you have an engineered specification or engineered drawings, please provide those at the time of request.

Q. What materials do you offer?

A. We offer coated steel and stainless steel tank and housing materials. Stainless steel options include 429 stainless and 304 stainless. For winding materials we offer aluminum and copper conductors.

Q. What standard colors do you offer?

A. Our standard build finish color for pad mounted transformers is Munsell™ 7GY 3.29/1.5 Pad-Mount Green. We do have other standard finishes available on request, including: Munsell™ 9GY 1.5/2.6 Canadian Green, Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70), Grey (ANSI #61), Munsell™ 10bg 6/1 Blue Grey, Munsell™ 10bg 6/1 Steel Blue, Munsell™ N 9/ Safety White, Federal Standard Desert Tan FS595B-33446, Federal Standard Eagle Feather Tan FS-595-23578, and Federal Standard Tobacco Brown FS595C-30108. If you need a color not listed here, please contact us.

Q. What labeling is on the transformer?

A. Standard labeling includes external stenciling of the KVA, stenciling of high and low voltages, non-PCB sticker, "Mr. Ouchy" warning label, and stainless steel riveted nameplate. Additional labeling to your specifications can be provided at request.

Q. Where is the detailed dimensional drawing for this unit?

A. We can provide a feature drawing that shows accessories and estimated form factor. Due to the variety of options and varying voltages, an exact dimensional drawing for the specific unit you have ordered is not available until after purchase and engineering has completed the drawing for your sales order. We do not offer completed detailed engineered drawings before purchase. The feature drawings are detailed enough for concrete pad designs and preliminary engineering site designs.

Q. Does my primary and secondary voltage matter for a transformer?

A. Yes, this matters greatly. For primary voltage, most transformers will be equipped with a tap changer for small primary voltage changes due to voltage drop for losses experienced in the transmission line. Some transformers will be equipped with dual voltage primaries with a voltage selector switch to choose which voltage to operate the transformer on. In both cases, these are designed to provide a steady output voltage. It is very important to confirm what voltage your primary voltage being delivered from the utility provider and what the required electrical voltage for the building or house is. You cannot only provide the KVA size, or the abbreviated primary voltage as there is not standardized voltage across the country and each region can be different. Once manufacturing has started, these cannot be changed.

Q. What is required for mounting this transformer?

A. For mounting requirements, please see the Concrete Pad document hyperlinked on the spec sheet and seen on the

product page.

Q. What accessories are included?

A. Temperature gauge, oil level gauge, pressure/vacuum gauge, tap changer, load break switch, surge arrestors, fill plug, and drain plug are included standard. Gauges can be offered with auxiliary dry form contacts on request. Please review specifications for all accessories included with this specific unit.

Q. What secondary connectors are included?

A. NEMA spade connectors are included standard for live front secondary connections, and eblow connectors are included standard for dead front secondary connections. The specific hole quantity and hole spacing are referenced on preliminary drawings and in the specifications.

Q. What type of surge arrestors are included?

A. Elbow surge arrestors are included with standard builds if specified that surge arrestors are included (check specifications). Tank wall mounted surge arrestors and under oil can be configured upon request.

Q. Are primary elbows included with purchase?

A. Primary mating elbows that match the bushings the transformer is configured with are included with purchase for standard units.

Q. What primary connectors are included with this transformer?

A. We offer elbow connectors standard for dead front primary transformers. 200-amp load break well bushings with inserts and elbows are standard up to 500 KVA. 600-amp dead break integral bushings and elbows are standard for 500 KVA through 3750 KVA. 900 amp dead break integral bushings and elbows are standard for units above 3750 KVA. We can change the standard bushing to a higher or lower amperage upon request providing the primary amperage does not exceed the amperage rating of the bushing.

Q. What types of transformer protection are available?

A. For over-current protection, Larson Electronics offers Fuses, breakers and interrupters. For over-voltage protection, Larson Electronics offers arresters. Larson Electronics can provide both Primary and Secondary protection equipment.

Q. I plan to utilize this transformer for a solar or green energy related project to back feed the grid, can this unit be reverse fed for providing electric back to the utility grid?

A. We offer a line of transformers for step up / step down operation that is designed for solar and renewable energy applications. Larson Electronics utilizes a R designation of R3 and R4 for these applications. Our standard R2 and R7 models are not designed for step up operation for reverse feeding and should not be utilized for these applications.

Q. Do you have to ground this transformer?

A. In most cases the enclosure of the transformer is grounded for safety reasons. However, a transformer will function properly without being grounded. Be sure to research all grounding requirements for your specific application against the NETA and NEC as well as any local electrical codes.

Q. How many BTU's of heat does a transformer generate?

A. The heat a transformer generates is dependent upon the transformer losses. To determine air conditioning requirements multiply the sum of the full load losses (obtained from factory or test report) of all transformers in the room by 3.41 to obtain the BTUs/hour. For example: A transformer with losses of 2000 watts will generate 6820 BTUs/hour.

Q. What is the difference between copper and aluminum windings inside the transformer?

A. Transformers wound with aluminum or copper wire have similar losses and performance. The choice of using copper or aluminum windings depends upon the application and the individual preferences. The type of winding material does not affect the transformer's reliability. A transformer's life is defined by the life of its insulation system.

Q. What is the difference between Dead Front and Live Front?

A. Live-front: The voltage-carrying parts are exposed. Live-front terminations have high voltage connectors, arresters, or fuses are exposed to the operator after cabinet has been opened. Dead-front: Often referred to as dead-front bushings. Safety is enhanced as there are no current-carrying parts exposed to the operator. For overhead distribution transformers and underground submersible transformers, live front is common. For pad mount transformers, the primary is typically dead front and the secondary is live front. Protection barriers can be added to live front pad mounted transformers

Q. What is the difference between Loop Feed and Radial Feed?

A. Radial feed Transformers will have three high voltage bushings (H1, H2, and H3). There is one bushing for each phase to allow for the incoming high voltage cables. On Wye and Grounded Wye connected Transformers, there will also be an H0 bushing. Loop feed Transformers will have six high voltage bushings (H1A, H2A, H3A, H1B, H2B, and H3B). There are two bushings for each phase. This allows the customer to connect all of their Transformers in a loop configuration. It will also allow the customer to bring two feeds to the Transformer. A four position switch can be used to switch between the A feed and the B feed.

Q. What is the lifespan of a transformer?

A. The average lifespan of a liquid filled transformer is 25 years. Many transformers will survive past the 25 year mark and are still in service for up to 35 years.

Q. Is this transformer UL Listed? Is this transformer CSA Listed?

A. By default, no. The majority of medium voltage transformer installations do not require certification by a Nationally Recognized Testing Laboratory (NRTL) unless being installed inside a building. Medium voltage equipment is built to and complies to ANSI, ASTM, DOE, IEEE, and NETA standards. UL is one of multiple NRTLs per OSHA certification for testing facilities for USA standards. CSA is one of multiple NRTLs per Canada certification standards. For an additional fee, we can submit your order for NRTL testing after completion of build. This testing service is per order, requires payment of testing fees, and will increase lead time.

Q. What are the transformer ratings?

A. IEEE Std C57.12.20 (Overhead Type), IEEE Std C57.12.34 (Three-Phase Pad-Mounted Compartmental), IEEE Std C57.12.38 (Single-Phase Pad-Mounted), IEEE Std C57.12.36 (Distribution Substation Transformers). For more detailed list of standards, please see the ASTM Certificate 1 link.

Q. Do Larson Electronics transformers contain PCB?

A. All dry-type and liquid filled transformers manufactured by Larson Electronics are PCB (polychlorinated biphenyl) free at the time of shipment. Mixtures of polychlorinated biphenyls (PCB's) were banned commercially for use as transformers cooling fluids in 1977 due to being toxic, bio-accumulative, not at all biodegradable, and difficult to dispose of safely. None of Larson

Electronics transformers contain PCB and only use PCB-free fluids.

Q. What is the difference between FR3 fluid and biodegradable fluid?

A. Envirotemp FR3 is a brand name of biodegradable ester oils made by Cargill. Cargill is not the only manufacturer of biodegradable ester fluids used for cooling liquid filled transformers. Larson Electronics stocks RAPO biodegradable fluid that exceeds testing for ASTM D6871. Cargill Envirotemp FR3 can be used in substitution of the standard biodegradable fluid. This substitution will increase cost and lead times.

Q. What is the difference between mineral oil (ONAN) and biodegradable fluid (KNAN)?

A. Mineral oil has a flash point of 147-165°C. Biodegradable insulation fluids have a higher flash point up to 350°C. Using biodegradable fluids reduce the risk of potential fire due to the transformer overheating. Utilizing biodegradable fluids extends the lifespan on the transformer due to better insulation, higher flash point, better moisture resistance, and higher maximum voltage breakdown points over mineral oils.

Q. What types of transformer liquids does Larson Electronics use?

A. Larson Electronics offered mineral oil fluid (ONAN) and biodegradable fluid (KNAN). On request we can provide brand name FR3 fluid or other brand name fluids for additional cost and lead time. All fluids offered by Larson Electronics are non-PCB containing fluids.

Q. What are the main benefits of a liquid filled transformer?

A. Liquid filled transformers have higher energy efficiency, durability, short circuit strength, low sound level, lower maintenance costs, and longer useful life expectancy compared to dry type transformers.

Q. What type of transformers does Larson Electronics offer?

A. Larson Electronics offered dry type transformers and liquid filled transformers. For liquid filled transformers, Larson Electronics' offers overhead distribution transformers (utility pole mount), pad mounted distribution transformers (mounts to a concrete pad), pad mounted power transformers, underground submersible distribution transformers, and substation transformers.

Q. How come Larson Electronics is able to provide a shorter leadtime than ABB, GE, Eaton, ERMCO, Hitachi Energy, Central Moloney, Squad D, Weg and other transformer manufacturers?

A. Larson Electronics is not constrained by a fully integrated supply chain. Many transformer manufactuers in this industry have a fully integrated supply chain system with a long and outdated process for adding new vendors for components. This prevents or adds significant delays to these companies attempting to change existing vendors in their integrated supply chain. Larson Electronics works on a flexibly supply chain system that has been perfected over many decades of vetting and scaling up or down as needed. Given the current market contraits and supply chain distruption, Larson Electronics supply chain processes has allowed Larson Electronics to continue moving forwad and provide shorter lead times.

Q. Does this transformer comply with (insert utility provider) specifications?

A. This unit is designed to Entergy Specifications per Entergy Standard DE03-01, Rev. 12. Larson Electronics utilities a dedicated R designation in the part number for specific build designs. R1-R10 are internal build designs. Utility specific builds begin at R11. If the part number contains R2, R5, R6, R7, R8, or R9 the unit may comply with a specific local utility for primary and secondary voltages but may not comply for equipment connections, included accessories, labeling, or barcoding. Units

that comply with a specific utility will have reference to the utility company that the unit complies with, and include the utility's internal part number and utility's specification standard if applicable. If you are unable to find the part number that meets your local utility specifications, please contact us and we will assist in crossing the correct unit for you.

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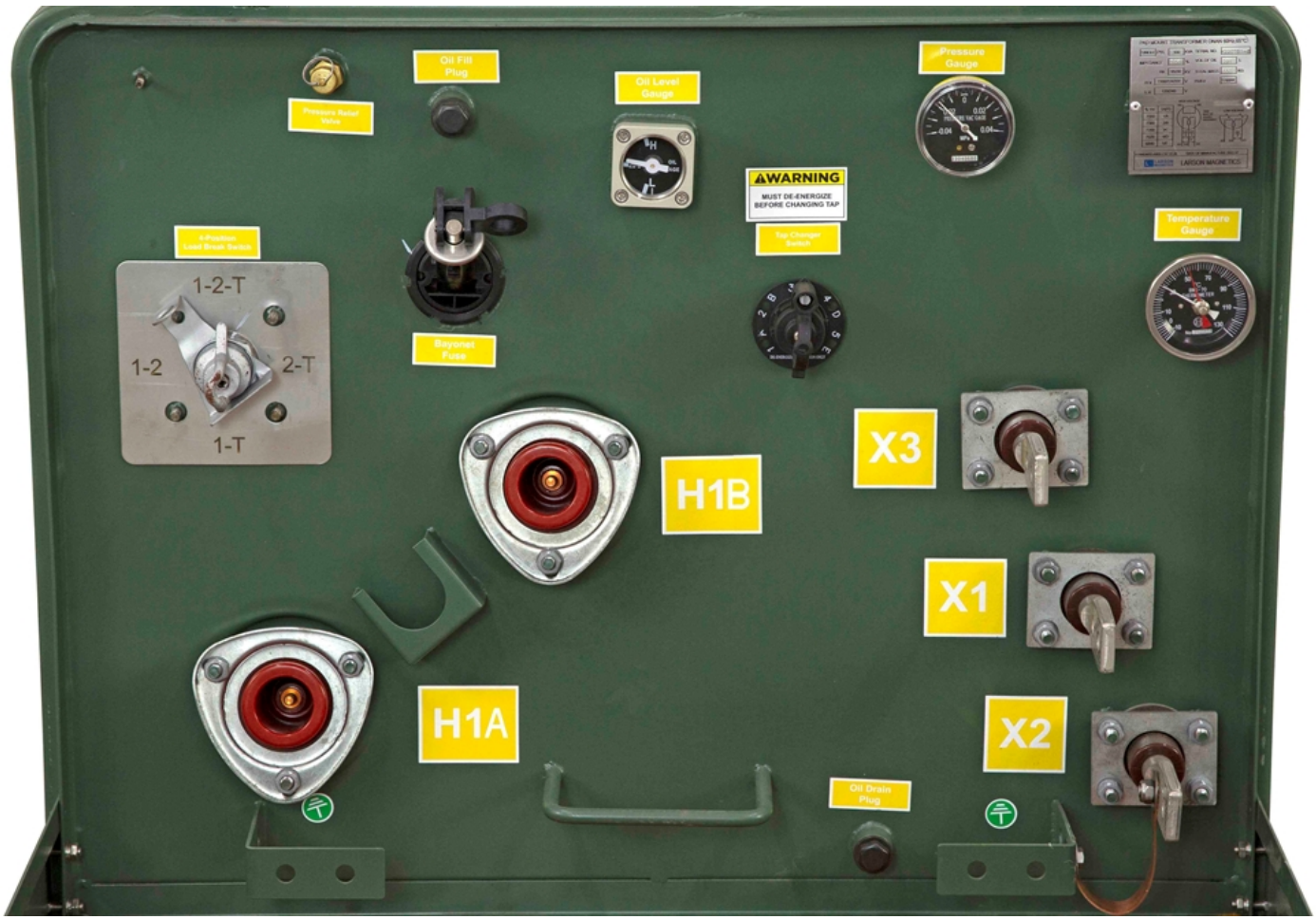


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Product ID: 294490

Harmonized System (HS) Code: 85043300
Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com//images/product/ANSICert1/294490.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com//images/product/CatalogPage/294490.PDF)
- **Concrete Pad Dimensional Drawing**(https://www.larsonelectronics.com//images/product/PadDimensions/294490.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com//images/product/DimensionalDrawing/294490.PDF)
- **Electrical Nameplate Diagram**(https://www.larsonelectronics.com//images/product/Nameplate/294490.PDF)
- **FCC Certificate (Federal Communications Commission, USA)**(https://www.larsonelectronics.com//images/product/FCCCert/294490.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com//images/product/Msds/294490.PDF)
- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/294490.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com//images/product/Oneline/294490.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com//images/product/WiringDiagram/294490.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/294490.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/294490.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/294490.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/294490.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/294490.JPG)
- **Video1**(https://www.youtube.com/watch?v=YBY4x0CofvU)
- **Video2**(https://www.youtube.com/watch?v=KIzsyVtvSWM)
- **Video3**(https://www.youtube.com/watch?v=mpt7J5hdJp8)
- **Video4**(https://www.youtube.com/watch?v=mN2qPmdLwW4)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)