

EAT•N

Powerware

Three Phase Systems-North American TPC3474 Series



Enclosure Power Distribution Units (ePDU™)



TPC3474 Front



TPC3474 Rear

CHASSIS

- 19" x 1.72" (1U) x 9.5"
- Approximate shipping weight: 19 lbs.
- Detachable mounting brackets allow for several mounting options

EMI/RFI FILTERING

- Common Mode - Line to Ground
- Differential Mode - Line to Line

SPIKE/SURGE SUPPRESSION

- Line to Line



BRANCH CIRCUIT PROTECTION

- UL489 Listed electromagnetic breakers, with a long time delay curve, provide both manual on/off switching and open (trip) automatically with an overload condition

(3) INDICATOR LIGHTS

- Provided for each phase power "ON" via breaker

(12) NEMA OUTLETS

- (4) Per phase PH-Y and PH-Z on the rear panel and PH-X has two on the rear and 2 on the front panels

POWER INPUT

- Power cable with locking plug is attached to the unit through the rear panel cable grip

REMOTE INTERFACE

- Remote on/off and EPO control - EPO overrides remote and local control
- Sequence Power Up additional equipment down line (standard on all units)
- Latching remote "LT" models only - normally closed EPO, momentary start

SPECIFICATIONS	TPC3474
Approvals	NA
AC Voltage Input (50/60Hz)	120/208V WYE
AC Voltage Output	120V~
Current Input	30A Per Phase
Current Output	24A Per Phase
Full Load VA Per Phase	2880VA Per Phase
NEMA Outlets	(6) 5-20R, (6) 6-20R
Listed Circuit Breaker	(3) 2 pole/20A
Remote	YES - Latching
EMI/RFI Filter	NO
Surge Suppression	150V
Cable	10AWG/5wire, 9'
NEMA Power Input	L21-30P

TVSS (Transient Voltage Surge Suppression) MOV SPECIFICATIONS			
Continuous AC Voltage	150VAC	270VAC	320VAC
Continuous DC Voltage	200VDC	360VDC	420VDC
Max. DC Leakage	200µA	200µA	200µA
Low Varistor Voltage Limit	212VDC	389VDC	462VDC
High Varistor Voltage Limit	243VDC	453VDC	540VDC
Nominal Varistor Voltage	236VDC	424VDC	503VDC
Current For Varistor Voltage	1mA	1mA	1mA
Max. Clamp Voltage 8x20µs	360V	680V	810V
Max. Clamp Voltage Test Current	100A	100A	100A
Peak Current Rating (1 Pulse)	12000A	10000A	10000A
Peak Current Rating (2 Pulse)	9000A	6500A	6500A
Energy Rating (10x1000µs)	170J	325J	385J
Energy Rating (8x20µs)	170J	325J	385J
Capacitance	1700pF	970pF	820pF
Impulse Response Time	50ns	50ns	50ns

EMI/RFI FILTERING COMMON MODE INSERTION LOSS						
Mhz.	.05	.20	1.0	5.0	20.0	100.0
dB.	0	35	71	75	66	48

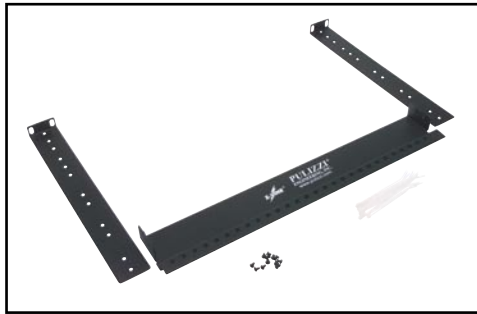
DIFFERENTIAL INSERTION LOSS						
Mhz.	.05	.20	1.0	2.0	5.0	10.0
dB.	20	30	72	63	58	51

Environmental

Operating Temperature is 0 to 50 C
 Storage Temperature is -40 to 70 C
 Altitude Maximum 10,000 ft.
 Relative Humidity is 95% Max Non-Condensing

Accessories

Optional Cable Restraint and Management



KIT-CABLRES-01

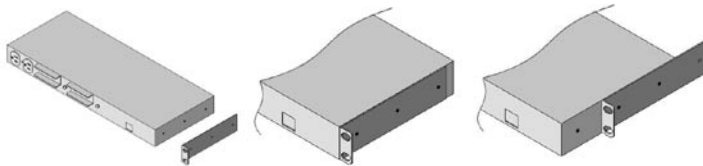


TRANSVERSE MOUNTING



- Prevent downtime and accidental disconnection
- Secure cables/plugs to Power Distribution Unit
- Cable ties provide highest level of retention

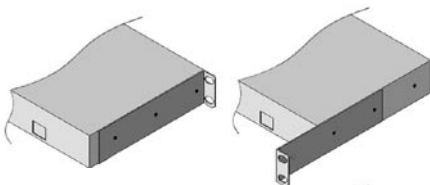
Adjustable Mounting Options



Mounting Brackets Are Detachable With Several Mounting Options Shown

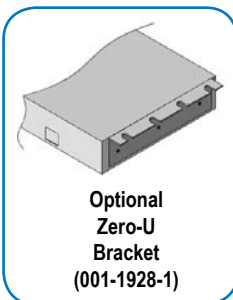
Front Flush

Center Mount



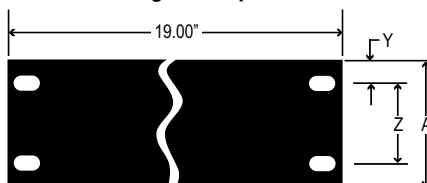
Rear Flush

Front Recessed



Optional Zero-U Bracket (001-1928-1)

Rack Mounting Hole Specification Table



HOLE SPECIFICATION TABLE

A	Y	Z
1.75	.25	1.25

010-9334:
C19 to NEMA 5-15P
125V, 15A Straight Blade
8 foot, 14AWG/3wire



010-9335:
C19 to NEMA 5-20P
125V, 20A Straight Blade
8 foot, 12AWG/3wire



010-9339:
C19 to NEMA L5-20P
125V, 20A Twist-Lock
8 foot, 12AWG/3wire



010-9341:
C19 to NEMA L6-20P
250V, 20A Twist-Lock
8 foot, 12AWG/3wire



010-9343:
CEE7-7 to C19
250V, 16A EUROPE (Schuko)
2.5M, 1.5mm/3wire Harmonized



010-0025: 8 foot
C13 to C14 Harmonized, 1mm/3wire
100-240V rated

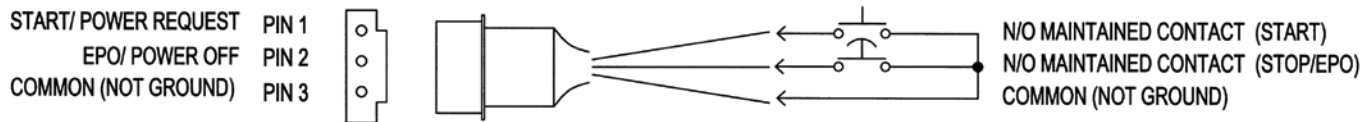


Optional Remote Control Panel



RCP100-BLK-LT

Standard Remote Control Interface



REMOTE START REQUIRES (2) CONDITIONS:

1. The "on/off/remote" switch must be in the "remote" position.
2. A maintained closure between pins 1 & 3 will turn the unit on.

REMOTE POWER OFF REQUIRES (1) CONDITION:

1. Opening the maintained connection between pins 1 & 3 will turn off the switched outlets.

REMOTE EPO REQUIRES (1) CONDITION:

1. A maintained contact between pins 2 & 3 will turn off the switched outlets regardless of the position of the "on/off/remote" switch.

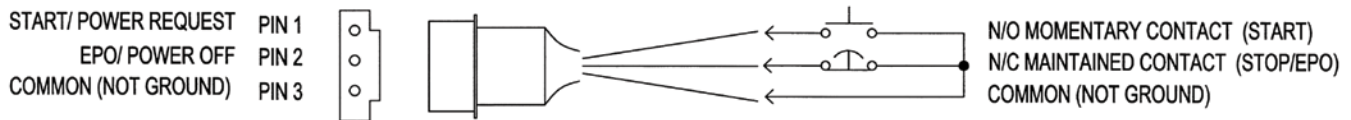
SEQUENCED REMOTE:

Connect pins 1, 2 & 3 of the sequence port to pins 1, 2 & 3 on any remote port of the slave unit. (**Do not connect to another "sequence" port!**) The sequence port of the master unit activates 4 seconds after the final set of outlets turn on. Additional units may be daisy chained in this fashion.

CAUTION!
THIS TYPE OF REMOTE IS NOT TO BE SUBSTITUTED
FOR A SAFETY INTERLOCK!

EPO is normally open, so removing the EPO connection
will not shut down the power to the unit.

Latching Remote "LT" Control Interface



REMOTE START REQUIRES (2) CONDITIONS:

1. A maintained contact between pins 2 & 3.
2. A momentary contact between pins 1 & 3.

REMOTE POWER OFF OR EPO REQUIRES (1) CONDITION:

1. Opening the maintained connection between pins 2 & 3. Additional EPO or stop buttons can be connected in series between pins 2 & 3. This will turn off the switched outlets regardless of the remote switch position.

SEQUENCE REMOTE:

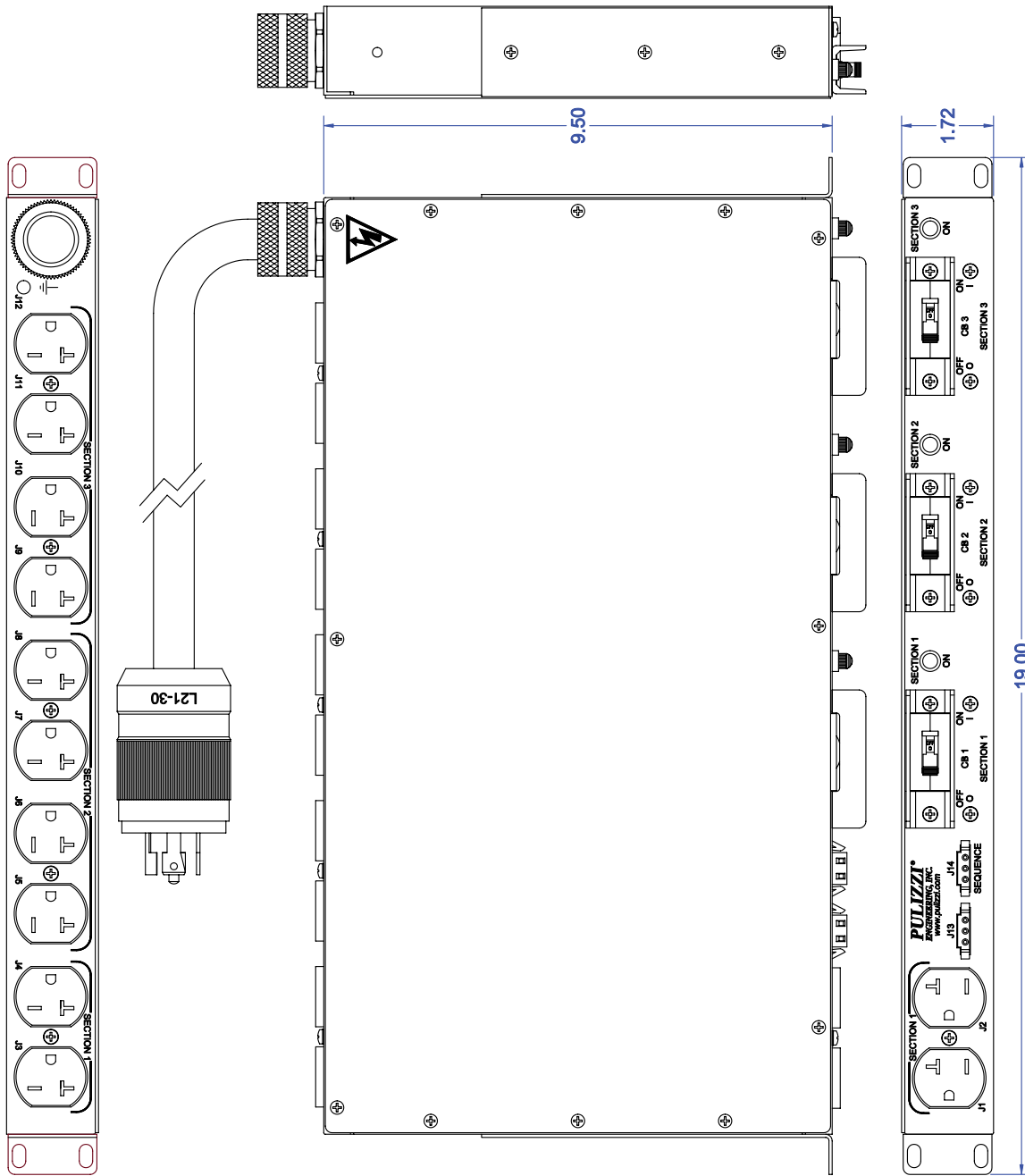
Connect pins 1 & 2 of the "sequence" port to any remote port on another "LT" unit. The sequence port activates 4 seconds after the final set of outlets turn on.

(Do not connect to another "sequence" port!)

NOTE: "LT" units are designed for remote operation only. Even when the "REMOTE/OFF/LOCAL" switch is set to "LOCAL", the unit still requires a power request from the remote ports to turn the unit on.

REMOTE OPERATION: Most Pulizzi® units have more than one remote connector. Unless labeled as "SEQUENCE" they are wired in parallel. Connection to only one remote connector is required. It is recommended that a Pulizzi® control panel be ordered for use with your PDU. Connectors are provided for those who wish to wire their own switches or control panels. We recommend using 14 AWG wire and not exceeding 50 feet for any remote cable. Mating control panels can be seen on our web site at www.pulizzi.com.

If additional remote connectors are needed: The female AMP connectors used in our Power Controllers are: three pin - Part Number 1-480304-0 and four pin Part Number 1-480425-0, and are used with AMP Socket Terminals, Part Number 60619-1. The mating male AMP connector is: three pin - Part Number 1-480305-0, and four pin - Part Number 1-480426-0 and are used with AMP male contacts Part Number 60620-1.



Drawings are not shown to scale
Dimensions are in inches