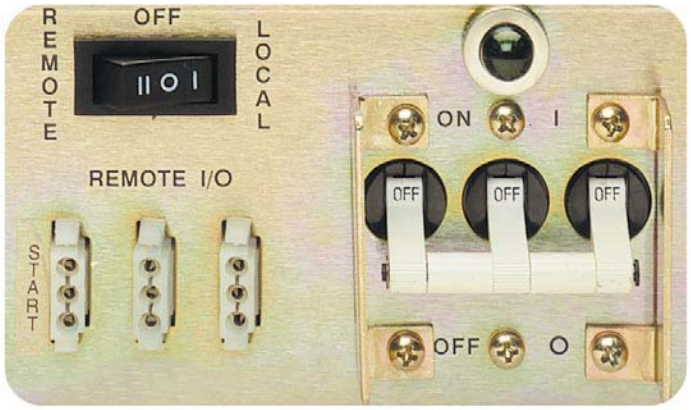
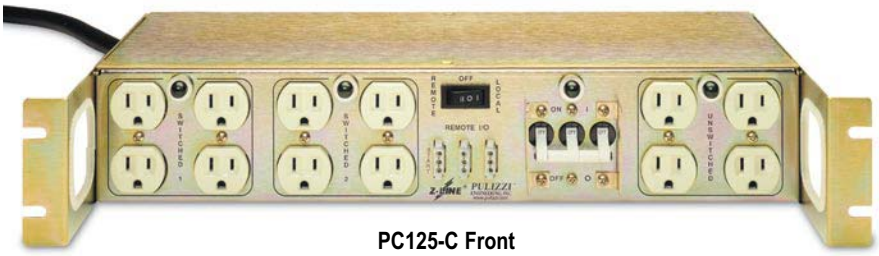
Powerware

Single Phase Systems-North American PC125/PC420 Series



Enclosure Power Distribution Units (ePDU™)



PC125-C Front

RACK MOUNTED
- 19" x 3.4" (2U) x 8.5".
- Approximate shipping weight: 19 lbs.

(12) NEMA OUTLETS
- 4 unswitched and 8 switched via remote

(4) INDICATOR LIGHTS
- (1) Main breaker power "ON"
- (1) Power to unswitched outlets
- (2) Power to switched outlets

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

EMI/RFI FILTERING
- Common Mode Line to Ground
- Differential Mode Line to Line

SPIKE/SURGE SUPPRESSION
- L-N, L-G, N-G

LOCAL/OFF/REMOTE SWITCHING
- Local: Power "on or off" to the switched outlets
- Off: When breaker is "on" but this switch is in the "off" mode, you will have power to the unswitched outlets only
- Remote: Power "on or off" to the switched outlets via a remote device
- When using a Latching remote, the selection switch is wired for Remote/Off/Remote - There is no local control

OVERLOAD CIRCUIT PROTECTION
- Electromagnetic breaker provides manual on/off switching and trips in an overload condition

(3 N/O) REMOTE I/O PORTS
- Remote on/off and EPO control, EPO overrides remote and local control
- Sequence Power Up additional equipment down line
- "LT" units only: Latching remote - (N/C) EPO, momentary start

PC125-A-LT	PC125-C-LT
PC125-A2-LT	PC125-D-LT
PC125-B-LT	PC125-F-LT

MULTIPLE TIME DELAY(MTD)™
- Section 1 powers on immediately followed four seconds later by Section 2
- Select PC420 in part number for MTD option

c UL US

SPECIFICATIONS	PC125-A	PC125-A2	PC125-B	PC125-C	PC125-D	PC125-F
Approvals	UL	UL	UL	UL	UL	UL
Voltage Input/Output (50/60Hz)	120V~	120V~	240V~	120V~	120V~	240V~
Current Input	15A	20A	15A	30A	30A	30A
Current Output	12A	16A	12A	24A	24A	24A
Full Load VA	1440VA	1920VA	2880VA	2880VA	2880VA	5760VA
NEMA Outlets	5-15R	5-20R	6-15R	5-15R	5-20R	6-15R
Circuit Breaker	15A	20A	15/15A	15/15/30A	20/20/30A	15/15/30A
EMI/RFI Filter	20A	20A	20A	30A	30A	30A
Multi-Stage Surge Suppression	270V/150V	270V/150V	320V/270V	270V/150V	270V/150V	320V/270V
Cord/Length/Plug	14/3, 9'	12/3, 9'	14/3, 9'	10/3, 15'	10/3, 15'	10/3, 15'
NEMA Power Input Plug	5-15P	5-20P	N/A	L5-30P	L5-30P	L6-30P
Multiple Time Delay (MTD)	PC420-A	PC420-A2	PC420-B	PC420-C	PC420-D	PC420-F

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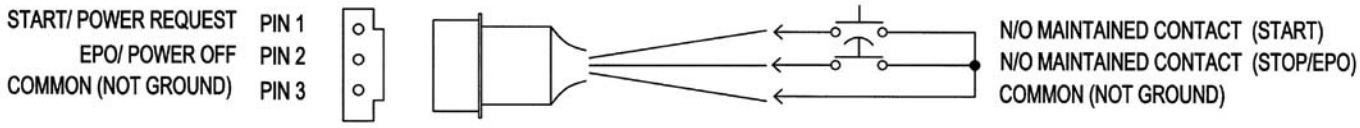
Optional Remote Control Panel

RCP100-BLK-LT

RCP200-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:

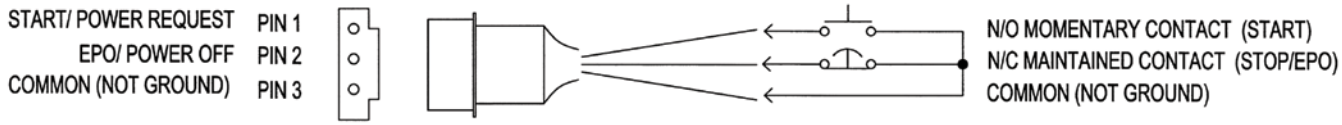
1. A maintained contact between pins 2 & 3 will turn off the switched outlets regardless of the position of the "on/off/remote" switch.

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.

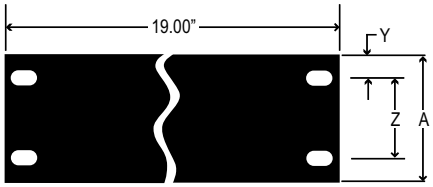
REMOTE OPERATION: Most Pulizzi® units have more than one remote connector. Unless labeled as "SEQUENCE" they are wired in parallel. Connection to only one remote connector is required. It is recommended that a Pulizzi® control panel be ordered for use with your PDU. Connectors are provided for those 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.

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

Rack Mounting Hole Specification Table



HOLE SPECIFICATION TABLE

A	Y	Z
3.5	.875	1.75

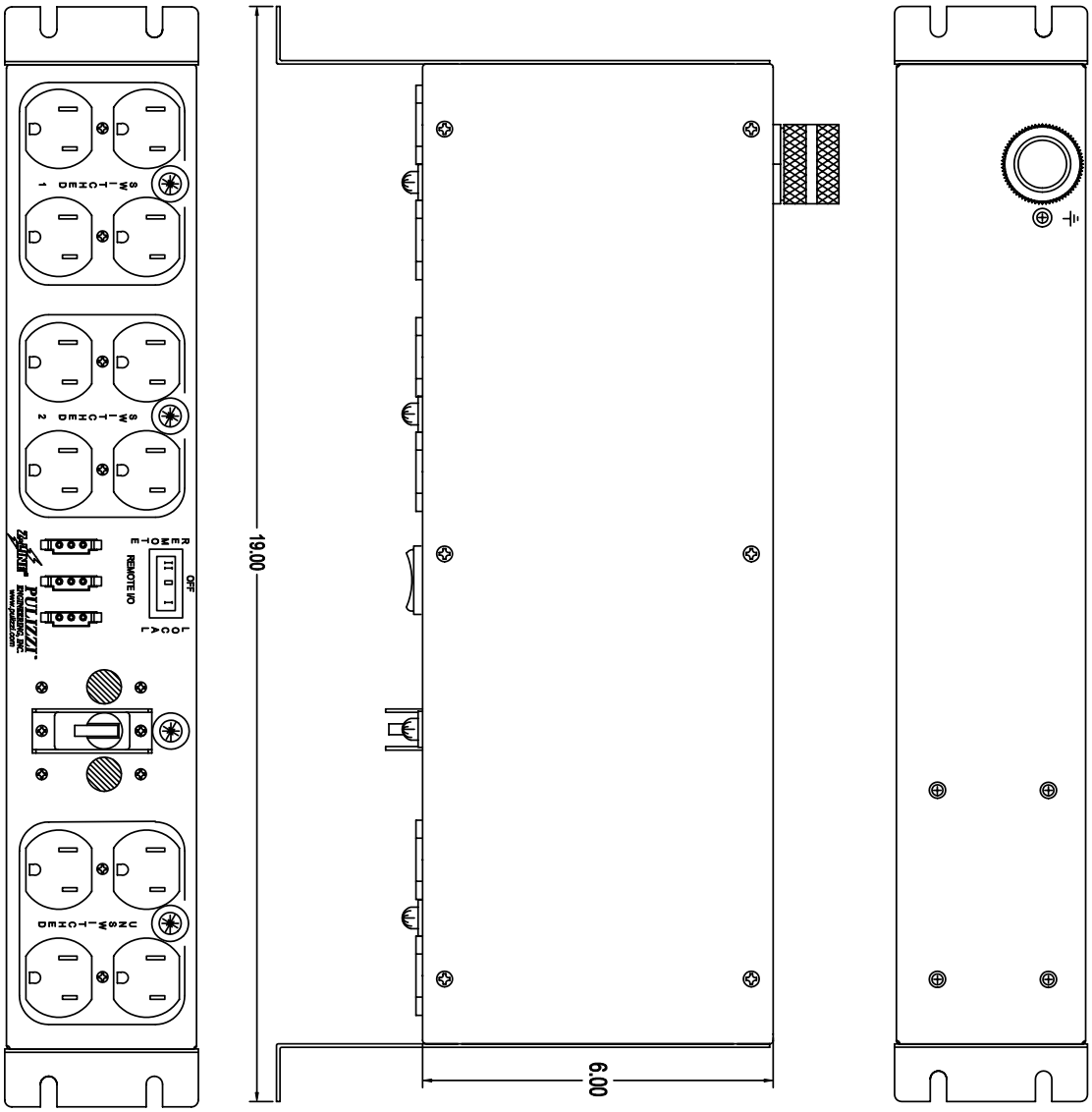
TVSS (Transient Voltage Surge Suppression) MOV SPECIFICATIONS			
Continuous AC Voltage	150VAC	270VAC	320VAC
Continuous DC Voltage	200VDC	360VDC	420VDC
Max. DC Leakage	200µA	200µA	200µA
Low Varistor Voltage Limit	212VDC	389VDC	462VDC
High Varistor Voltage Limit	243VDC	453VDC	540VDC
Nominal Varistor Voltage	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.	.15	.50	1.0	5.0	10.0	30.0
dB.	6	19	28	42	45	50

DIFFERENTIAL INSERTION LOSS						
Mhz.	.15	.50	1.0	5.0	10.0	30.0
dB.	6	6	30	50	30	30

EMI/RFI FILTERING COMMON MODE INSERTION LOSS							
Mhz.	.1	.5	1.0	5.0	10.0	20.0	50.0
dB.	18	40	48	62	80	70	60

DIFFERENTIAL INSERTION LOSS						
Mhz.	.1	.5	1.0	5.0	10.0	20.0
dB.	21	33	41	50	50	50



Drawings are not shown to scale
Dimensions are in inches

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