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EATON | Powerware

Three Phase Systems-North American PC975 Series



Enclosure Power Distribution Units (ePDU™)



PC975-LT Front



PC975-LT Rear

RACK MOUNTED
- 19" x 3.4" (2U) x 14.5" (Including 2.5" recess)
- Approximate shipping weight: 29 lbs.

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

SPIKE/SURGE SUPPRESSION
- 270V MOV L-N

(11) NEMA OUTLETS
- (2) Unswitched outlets
- (1) Duplex and (1) twist lock per Phase

(4) INDICATOR LIGHTS
- Main breaker power "on"
- Power "on" to PH-X, Y and Z

OVERLOAD CIRCUIT PROTECTION
- Electromagnetic breakers, with a long time delay curve, provide both manual on/off switching and trips automatically in an overload condition

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 the Latching remote option, the selection switch is wired for Remote/Off/Remote - There is no local control

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MULTIPLE TIME DELAY™ (MTD™)
- Activated "Locally" or "Remotely", PH-X powers up, followed 4-seconds later by PH-Y, which is followed 4-seconds later PH-Z, then 4-seconds later the sequenced remote activates the next system in line

(4 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 (standard on all units)
- Latching remote - (N/C) EPO, momentary start. "LT" systems

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

Call the factory for other outlet configurations: 1-800-870-2248

SPECIFICATIONS	PC975, PC975-LT	PC975-1969, PC975-1969/LT	PC975-2109, PC975-2109-LT
Approvals	UL/cUL	UL/cUL	UL/cUL
Voltage Input Three Phase (50/60Hz)	120/208V	120/208V	120/208V
Voltage Output (50/60Hz)	120V~ and 208V~	120V~ and 120/208V~	120V~
Current Input Per Phase	30A Per Phase	30A Per Phase	30A Per Phase
Current Output Per Phase	24A Per Phase	24A Per Phase	24A Per Phase
Full Load VA Per Phase	2880VA Per Phase	2880VA Per Phase	2880VA Per Phase
Main Circuit Breaker (on/off switch)	4 Pole 30/30/30/30	4 Pole 30/30/30/30	4 Pole 30/30/30/30
Secondary Circuit Breakers Per Phase	(3) 2 Pole 20/20	N/A	(3) 1 Pole 20
Unswitched Duplex Circuit Breaker	20A thermal reset	20A thermal reset	15A thermal reset
EMI/RFI Filter	30A	30A	30A
Surge Suppression	270V	270V	270V
NEMA Outlets	(8) 5-20R and (3) L6-20R	(8) 5-20R and (3) L21-30R	(8) 5-15R and (3) L5-30R
Power Cord/Length/Plug	10/5, 15', L21-30P	10/5, 15', L21-30P	10/5, 15', L21-30P

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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

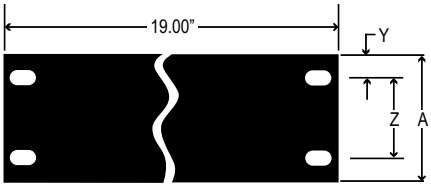
EMI/RFI FILTERING COMMON MODE INSERTION LOSS						
Mhz.	.05	.15	.50	1.5	5.0	20.0
dB.	4	18	38	44	50	50

DIFFERENTIAL INSERTION LOSS						
Mhz.	.05	.15	1.0	1.5	5.0	20.0
dB.	12	20	40	60	50	50

Environmental

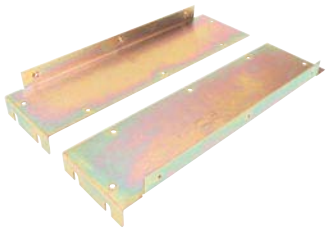
Operating Temperature is 0 to 50 C
Storage Temperature is -40 to 70 C
Altitude Maximum 10,000 ft.
Relative Humidity is 95% Max Non-Condensing

Rack Mounting Hole Specification Table



HOLE SPECIFICATION TABLE

A	Y	Z
3.5	.875	1.75



PART NUMBER:
001-0819-1, 001-0819-2
DESCRIPTION:
Flush Mount brackets front or rear (1) each required



PART NUMBER: REMOTE02
DESCRIPTION:
3 pin remote connector kit with pins
1 connector & 3 pins



PART NUMBER: SUB-REM-1200 - 12" Length
SUB-REM-2400 - 24" Length
SUB-REM-6000 - 60" Length
REMOTE08-10 - 10' Length
REMOTE08-12 - 12' Length
REMOTE08-035 - 35' Length
DESCRIPTION: 3 pin to 3 pin remote cable

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Optional Remote Control Panel

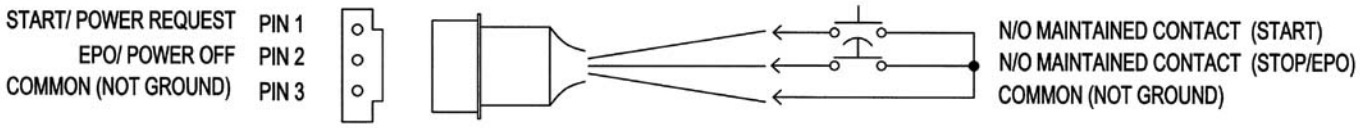


RCP100-BLK-LT



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:

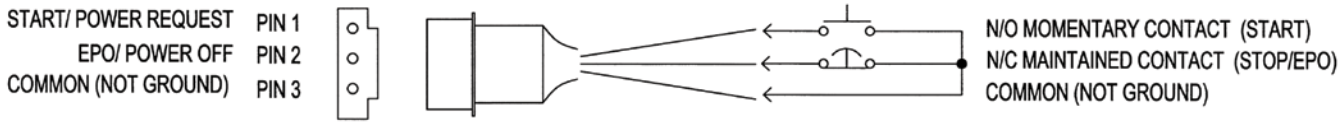
1. A maintained contact between pins 2 & 3 will turn off the switched outlets regardless of the position of the "on/off/remote" switch.

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.

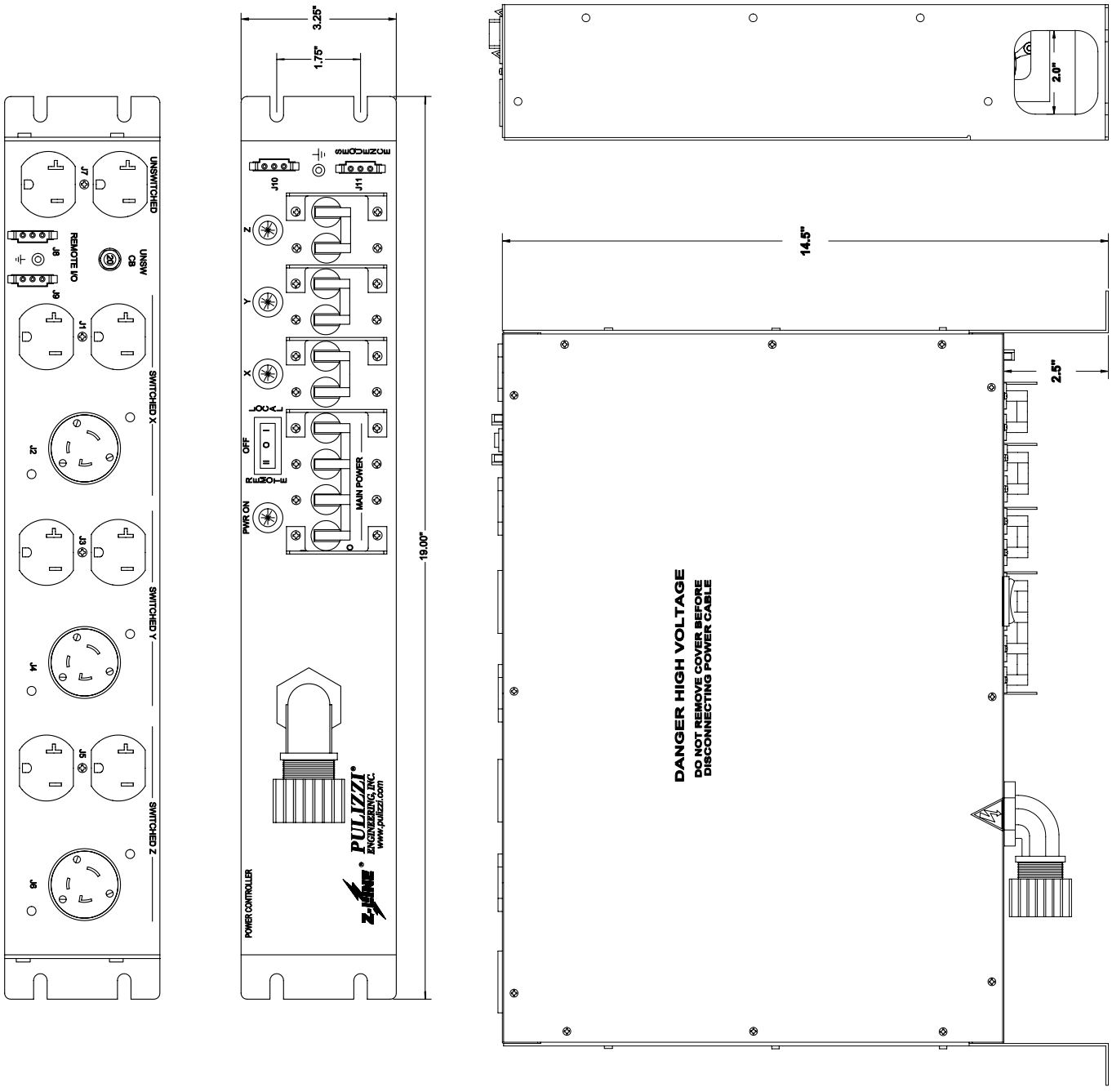
SEQUENCE REMOTE:
Connect pins 1 & 2 of the "sequence" port to any remote port on another "-LT" unit. The sequence port activates 4 seconds after the final set of outlets turn on.
(Do not connect to another "sequence" port!)

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.

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Drawings are not shown to scale
Dimensions are in inches

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