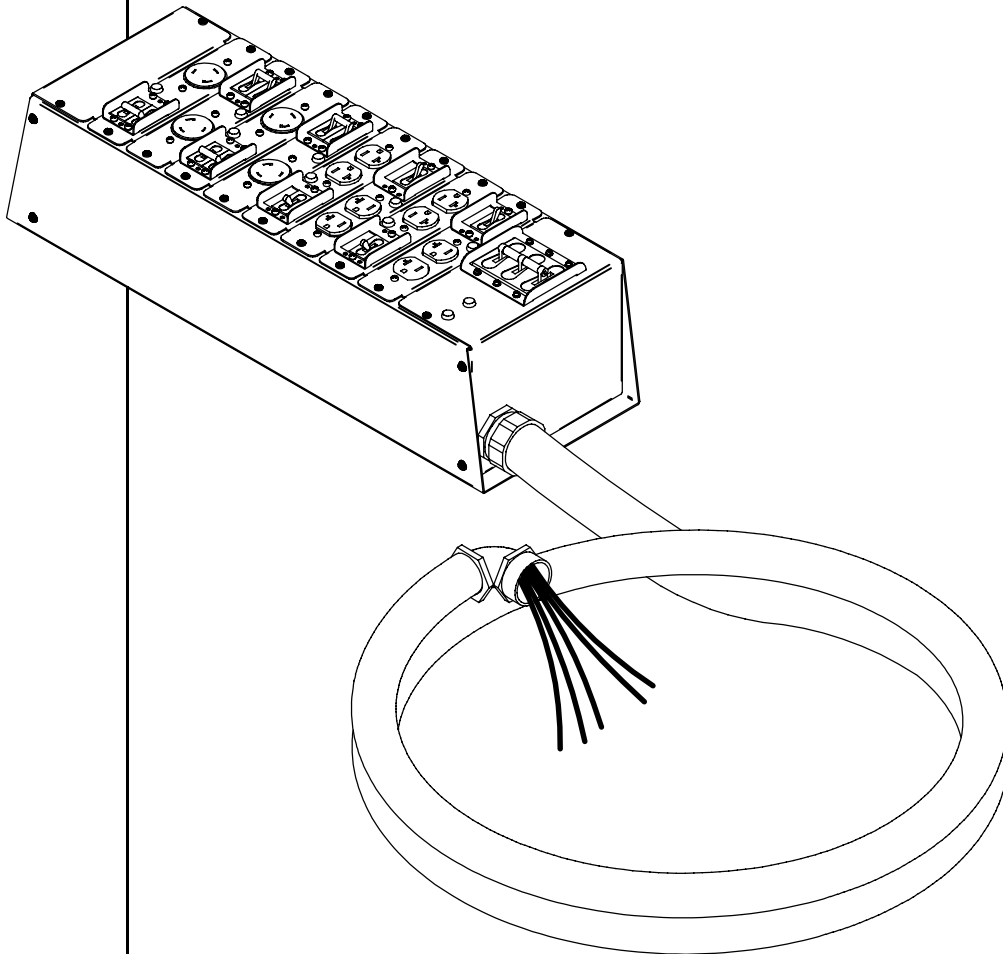


**Configurable Output Distribution for GXT 6/10kVA**

**USER MANUAL**



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# IMPORTANT SAFETY INSTRUCTIONS

## SAVE THESE INSTRUCTIONS

This manual contains important instructions that should be closely followed during installation and maintenance of this Configurable Output Distribution.

This product is designed for commercial / industrial use only. This product is not intended for use with life support and other designated "critical" devices. Maximum load must not exceed that shown on the UPS.

**WARNING:** Lethal voltages may be present within this unit even when it is apparently not operating. Observe all cautions and warnings in this manual. Failure to do so may result in serious injury or death. Never work alone.

The UPStation GXT Configurable Output Distribution unit is designed for use on properly grounded (earthed) 120/208/240VAC 60Hz supply, for installation by qualified personnel. This UPS equipment is intended to be installed by a qualified / certified electrician who must review and approve customer supplied wiring, circuit breakers, intended loads and verify correct input, output and earth connections to ensure compliance with technical standards and national and local electrical codes. Installation instructions and warning notices are in the **Cable Installation** section of this manual.

**CAUTION:** To reduce the risks of fire connect only to a circuit provided with maximum branch circuit overcurrent protection of 65A according to model in accordance with applicable national and local electrical codes.

Operate the UPS equipment in an indoor environment only in an ambient temperature range of 32°F to 104°F (0°C to 40°C). Install it in a clean environment, free from conductive contaminants, moisture, flammable liquids, gases, or corrosive substances.

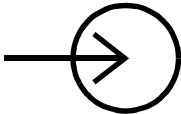
## GLOSSARY OF SYMBOLS



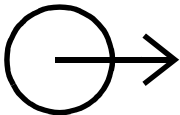
**Risk of electrical shock**



**Indicates Caution followed by important instructions**



**AC input**



**AC output**



**Requests the user to consult the manual**



**Equipment grounding conductor**



**On**



**Off**

## GENERAL DESCRIPTION

Congratulations on your purchase of Liebert's UPStation GXT Configurable Output Distribution. As with every Liebert product, we stand behind our quality. If you have any questions concerning this configurable distribution option, please feel free to contact your local sales representative, or call the appropriate Technical Support number listed in the back of this manual.

To ensure proper installation and operation of this unit, please read this manual thoroughly.

While installation must be completed by a qualified / certified electrician, general operation may be performed without special training.

### SYSTEM DESCRIPTION

The Configurable Output Distribution was designed to provide maximum flexibility to business critical equipment.

Various output receptacle options are available from 15 A to 30 A. Hardwire options are also available with or without a branch rated circuit breaker.

### Features

- Supports up to 10 kVA loads
- Compact design
- Highly configurable
- Multiple power path indicators

### Standard Components

- Provisions for hardwire output
- Power-on indicator lamps
- Branch rated circuit breakers

### Options

- User selectable output distribution

# MAJOR COMPONENTS

The following is a general description of each component and its functions. Please review this section carefully, as it will give you a better understanding as to how the UPStation GXT Configurable Output Distribution operates.

## SELECTABLE OUTPUT DISTRIBUTION

Several receptacle and hardwire options are available as user selectable output distribution. These are factory configured when ordered and also allow for field upgrades. Common receptacle and hardwire options include:

### 15 Amp Options

5-15R2  
L5-15R2  
6-15R2-208  
6-15R2-240  
L6-15R2-208  
L6-15R2-240  
15A, 120V, 1 Pole Breaker w/ 1/2" & 3/4" knockouts  
15A, 208V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts  
15A, 240V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts

### 20 Amp Options

5-20R2  
L5-20R  
L6-20R-208  
L6-20R-240  
L14-20R-240  
20A, 120V, 1 Pole Breaker w/ 1/2" & 3/4" knockouts  
20A, 208V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts  
20A, 240V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts

### 30 Amp Options

L5-30R  
L6-30R-208  
L6-30R-240  
L14-30R-240  
30A, 120V, 1 Pole Breaker w/ 1/2" & 3/4" knockouts  
30A, 208V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts  
30A, 240V, 2 Pole Breaker w/ 1/2" & 3/4" knockouts

### Other Options

Single Position Blanking Plate  
Hardwire Option

# CABLE INSTALLATION

## WIRING PREPARATION

**WARNING:** Please read this section thoroughly before attempting to install wiring to this unit.

Be sure that the unit is not connected to any AC mains power source or UPS before installing any wiring to this unit. This should be installed by a qualified / certified electrician.




## POWER CABLE INSTALLATION

Refer to the charts below when selecting cables:

Power Cable and Protection Ratings	
Part No.	PDX2...
Max Input Current	65 A
Input Protection	65 A
Max Output Current	65 A (32A @ 120V per leg)
Input/ Output Terminal Details	8 AWG (8 mm <sup>2</sup> )

Size grounding (protective earth) conductors equal to circuit conductors

### Connecting Configurable Output Distribution Option to GXT 6kVA/10kVA

Configurable Output Distribution Wires	GXT6000/10000 208	GXT6000/10000 208X	GXT6000/10000 240X
1		L2A	L2
2	L2	L2	
3	L1	L1	L1
4		N	N
GND			

# HARDWIRE OPTION

This product is intended to be installed by a qualified electrician only.

1. COMPLETELY REMOVE ALL POWER FROM THE FRAME. If Configurable Output Distribution is connected to the UPS, disconnect external battery supply.
2. Remove the end cover plate to access the terminal block.
3. Without disconnecting from the terminal block, unscrew and pull out the hardwire plate(s).
4. Route all wires from the hardwire plate(s) to the terminal block.
5. Connect the GROUND wire to the grounding bar strip (GND3).

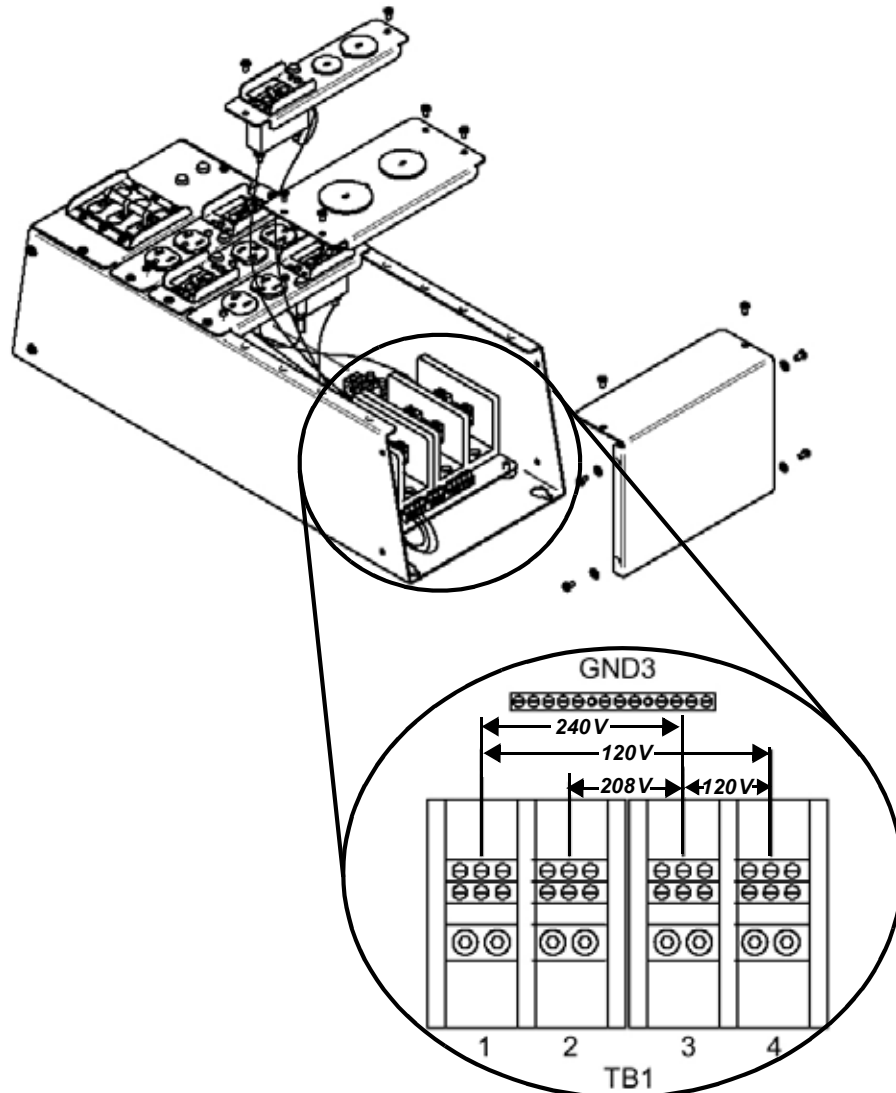
6. Connect the remaining wires in accordance with the wiring diagram (located inside the end cover plate).

## NOTE

When wiring 120 V loads, LINE must be alternated between TB-1-1 and TB1-3 to balance the 120 V load. Connect all neutral wires to TB1-4

7. Replace the receptacle plates and the end cover plate, using caution not to damage the wires.

Figure 1 Accessing terminal block



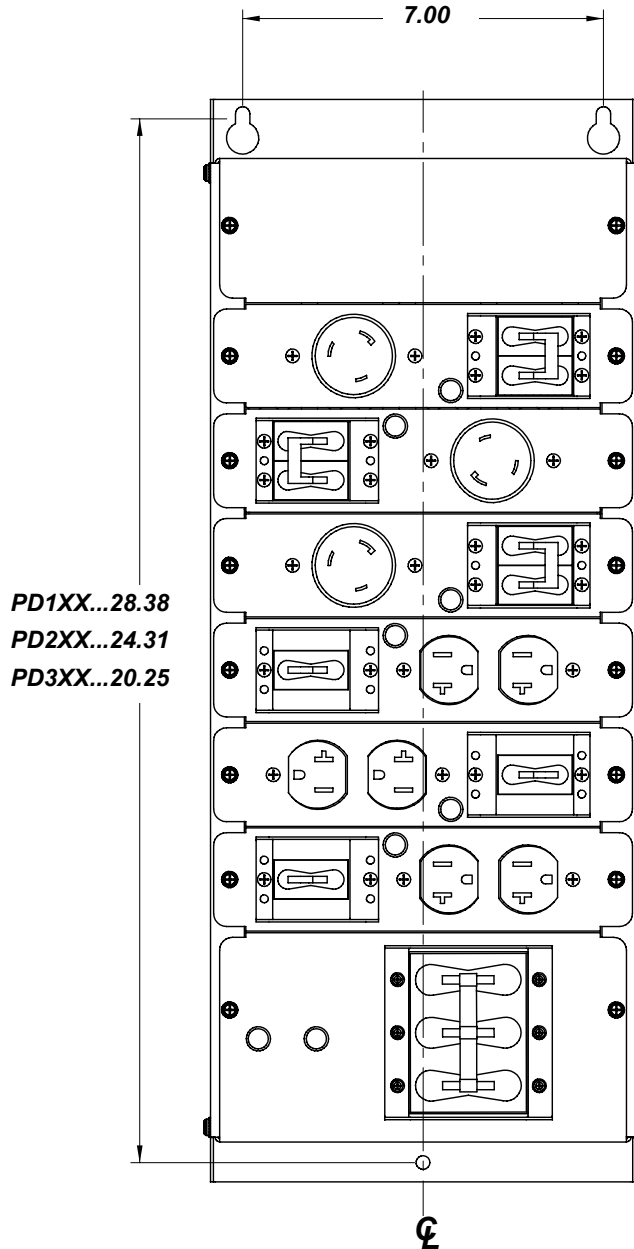


# WALL-MOUNT DIAGRAM

## DIAGRAM FOR ATTACHING UNIT TO WALL

Use the following diagram, which shows the location and measurements of factory-cut mounting slots, when preparing to attach the

Configurable Output Distribution to a wall. Liebert recommends using 1/4-20 mounting screws.



# **Configurable Output Distribution for GXT 6/10kVA**

## **USER MANUAL**

### **The Company Behind the Products**

With over a million installations around the globe, Liebert is the world leader in computer protection systems. Since its founding in 1965, Liebert has developed a complete range of support and protection systems for sensitive electronics:

- Environmental systems—close-control air conditioning from 1 to 60 tons
- Power conditioning and UPS with power ranges from 300 VA to more than 1000 kVA
- Integrated systems that provide both environmental and power protection in a single, flexible package
- Monitoring and control—from systems of any size or location, on-site or remote
- Service and support through more than 100 service centers around the world and a 24/7 Customer Response Center

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SL-23446 (9/01)

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