



## L250 Series Sectional Wall Cabinets

Backbox / 14"D Mounting Section / Front Door

### Wall Cabinets Include:

- **Backbox:** 4.69"D includes a 10" x 10" opening, removable knockout panels for conduit and BNC, lacing points and provisions to attach board-mounted accessories, plus two key operated side locks.
- **Mounting Section:** 14"D (16"D usable) with adjustable rails (1pr.), top and bottom integral rails, BNC knockouts, vented sides, and panel hardware (25 qty).
- **Solid Surface Door:** 1"D with lock (see **-LD** option below).
- **Wrinkle Powder Epoxy Finish:** Black.

### Ordering Options: (suffix model number)

- **-LD Less Door version.** Order without solid front door when open access is desired or when a perforated or Plexiglas door will be field mounted (order separately).

### Accessories (optional - order separately - see page 3):

- **Front Doors (surface):** Choose Plexiglas or perforated steel to mount -LD (less door) models.
- **Fan Kit:** Model LWF-KIT mounts easily to the inside vents.
- **Extra Rails:** Series L212 adj. rails provide rear rail support.

## Description

Lowell's UL Listed (Standard 1678) sectional wall cabinet Series L250 features a 14" deep equipment mounting section with full field flexibility, mounting options, and loading strength for swing-out access to equipment that is wall mounted. Cabinets include a solid front door or "less door" - LD versions. Choose LD versions when open access or an optional Plexiglas or fully perforated door is specified (order optional door separately).

Field-friendly design features a universal backbox that mounts the 14"D mounting section with right or left hinging. *Each mounting section and door, on applicable models, is shipped with hardware mounted for right-hand swing - see diagram on page 3.* The backbox is 4.69"D and features 16" mounting centers, top and bottom removable knockout panels, a 10" x 10" opening for mounting over electrical pull boxes, and embossed dimples on the backplane for installation of board-mounted accessories.

The mounting section attaches to the backbox from the inside using two heavy duty, spring-loaded L-pins that are self-seating and positive locking upon closure for fast and secure installation with no visible hinging or hardware. The stability of Lowell's L-pin design combined with the section's fully gusseted corners and triple-formed side-to-bottom and side-to-top wrapped design achieve strength equivalent to 3/16" thick steel for dependable load bearing support.

(Continued on page 3)



## L250 Series

### Swing-out (Sectional) Wall Cabinet - 19"W x 14"D Mounting Section

RACKS

Open Frame Floor

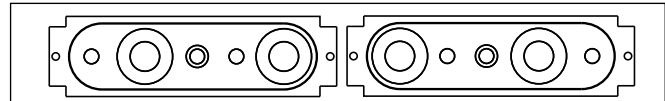
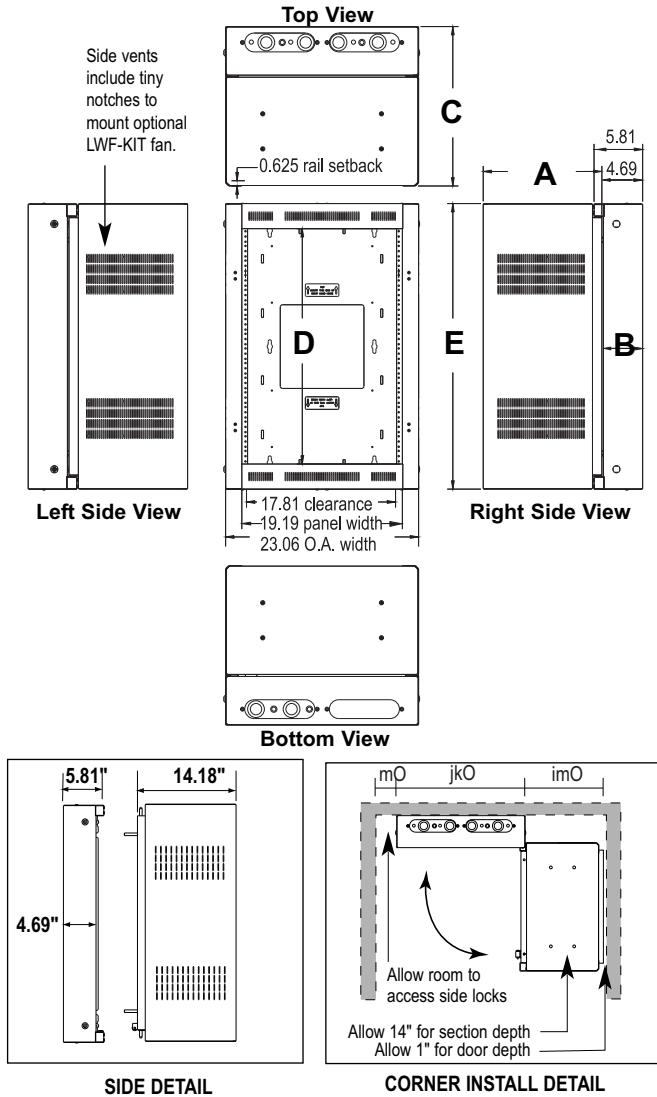
Solid Side Floor & Desk



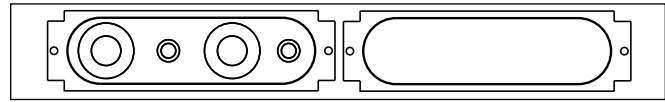
Panels & Accessories

Thermal & Wire Mngmt

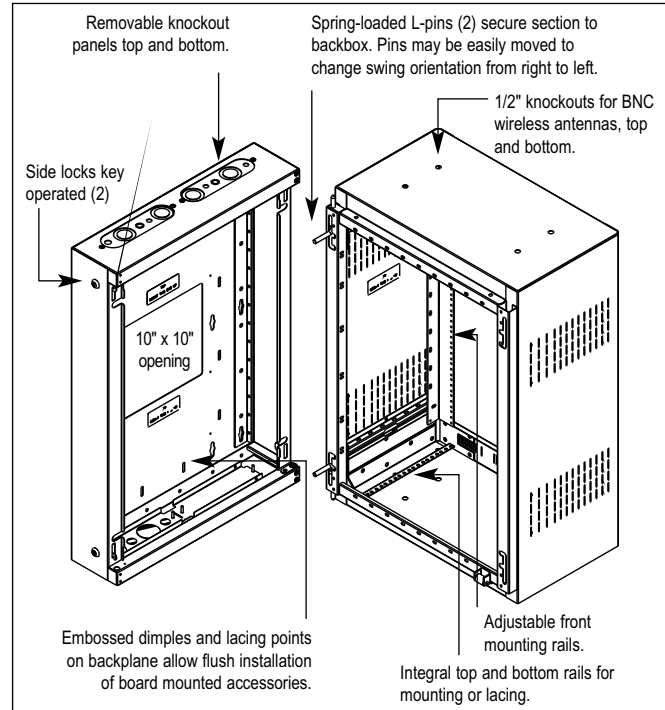
Swing-out (sectional)



**KNOCKOUT PANELS ON BACKBOX TOP**  
Each panel includes .5" knockouts for wireless antennas and .75"-.5" & 1.5"-1" knockouts for conduit.



**KNOCKOUT PANELS ON BACKBOX BOTTOM**  
One panel includes .75"-.5" & 1.5"-1" knockouts for conduit. The other is a blank project panel.



L250 BACKBOX

L250 MOUNTING SECTION

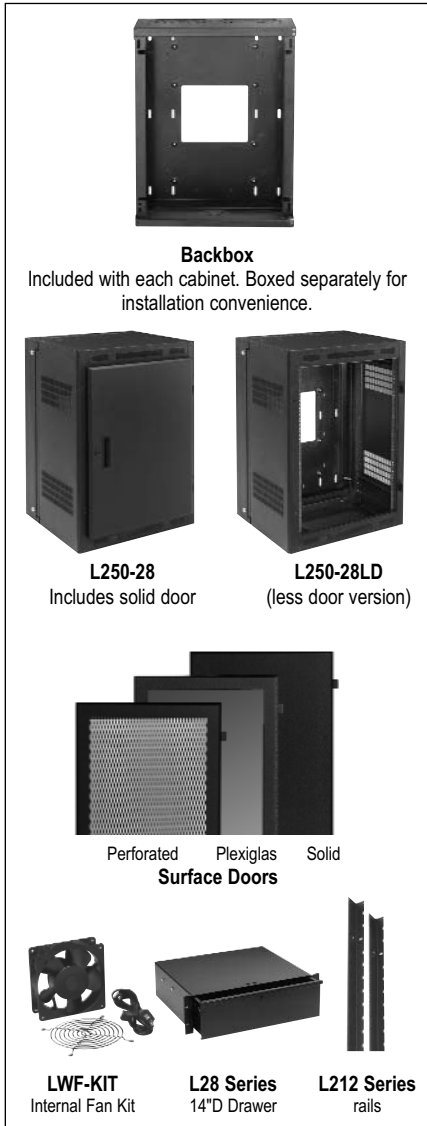
Model	Mtg Section Depth 16" usable** (A)	Backbox Depth (B)	Overall Depth (C)	Racking Height 19" panel width (D)	Overall Height (E)	Adj Rails Installed	Load Capacity	Standard*** Front Dr. Solid (1"D)	Optional*** Front Door Plexiglas (1"D)	Optional*** Front Door Perforated (1"D)	Optional Extra Rails Adj. (pr.)
L250-12	14.18"	4.69"	20.05" (incl. door)	12.375" (7RU)	18.375"	1 pr.	125 lbs.	Included***	---	---	L212-12
L250-12LD	14.18"	4.69"	19.05"	12.375" (7RU)	18.375"	1 pr.	125 lbs.	---	L2150-12P	L2150-12PF	L212-12
L250-17	14.18"	4.69"	20.05" (incl. door)	17.625" (10RU)	23.625"	1 pr.	150 lbs.	Included***	---	---	L212-17
L250-17LD	14.18"	4.69"	19.05"	17.625" (10RU)	23.625"	1 pr.	150 lbs.	---	L2150-17P	L2150-17PF	L212-17
L250-21	14.18"	4.69"	20.05" (incl. door)	21.125" (12RU)	27.125"	1 pr.	150 lbs.	Included***	---	---	L212-21
L250-21LD	14.18"	4.69"	19.05"	21.125" (12RU)	27.125"	1 pr.	150 lbs.	---	L2150-21P	L2150-21PF	L212-21
L250-28	14.18"	4.69"	20.05" (incl. door)	28.125" (16RU)	34.125"	1 pr.	200 lbs.	Included***	---	---	L212-28
L250-28LD	14.18"	4.69"	19.05"	28.125" (16RU)	34.125"	1 pr.	200 lbs.	---	L2150-28P	L2150-28PF	L212-28
L250-36	14.18"	4.69"	20.05" (incl. door)	36.875" (21RU)	42.875"	1 pr.	250 lbs.	Included***	---	---	L212-36
L250-36LD	14.18"	4.69"	19.05"	36.875" (21RU)	42.875"	1 pr.	250 lbs.	---	L2150-36P	L2150-36PF	L212-36
L250-42	14.18"	4.69"	20.05" (incl. door)	42.125" (24RU)	48.125"	1 pr.	300 lbs.	Included***	---	---	L212-42
L250-42LD	14.18"	4.69"	19.05"	42.125" (24RU)	48.125"	1 pr.	300 lbs.	---	L2150-42P	L2150-42PF	L212-42
L250-61	14.18"	4.69"	20.05" (incl. door)	61.375" (35RU)	67.375"	1 pr.	300 lbs.	Included***	---	---	L212-61
L250-61LD	14.18"	4.69"	19.05"	61.375" (35RU)	67.375"	1 pr.	300 lbs.	---	L2150-61P	L2150-61PF	L212-61

\*\* Approximate usable depth allows for partial extension of equipment into the backbox.

\*\*\* L250 Series models include a solid front door; Models with -LD suffix are 'less door' for open access or the ability to field mount an optional Plexiglas or perforated front door (order optional doors separately.)



Swing-out (Sectional) Wall Cabinet - 19"W x 14"D Mounting Section



**Description** (continued from page 1)

The mounting section includes a roller-closure device that allows the section to seat in a closed position without mandatory locking. Locking is accomplished with two side mounted, key locks which are keyed different than front door. The mounting section features one pair of adjustable rails (10-32), plus *integral* rails (10-32) top and bottom for miscellaneous mounting/lacing, and knockouts top and bottom for BNC antennas. Additionally, the vented sides include holes to mount optional fan kit Model LWF-KIT. To provide clearance for equipment knobs and front connections, the adjustable rails are recessed .625" from the front frame providing 1.375" space between equipment and the surface front door where applicable. Welded assembly is finished in Lowell's durable black wrinkle powder epoxy.

**Installation Notes:** The mounting section is boxed separately so that it can be field installed in advance of the mounting section which is often sent to the field completely wired with equipment. Additionally, the mounting section provides greater than 90 degree open-swing access for servicing and therefore requires a minimum swing clearance equivalent to the mounting section depth (14") plus 1" for the door if applicable. Includes 25 qty of Lowell's reliable PilotPoint™ screws with 5.1 hardness and captive washers; order RSP Series for extra hardware.

**Rackware® System Accessories - Optional - order separately**

**Surface Front Doors.** L250 Series cabinets include a solid front door; L250LD are less door to facilitate ordering an optional Plexiglas or perforated door. All doors feature attractive beveled edges, 180° access and the ability to be hung for right or left swing. Doors extend 1" from frame and include a pocket grip handle and standard lockset.

- **Solid Door.** Series L2150 (Included on "non LD" models) is precision-formed from a single sheet of 16-gauge steel for solid performance without twisting or bowing.
- **Plexiglas Door.** Series L2150-P is an attractive, smoked Plexiglas panel mounted within a 16-gauge steel frame for installations that desire security and visibility. Plexiglas is 3/16" thick for secure performance and a solid, high-quality look and feel.
- **Perforated Door.** Series L2150-PF is fully perforated - formed from a single sheet of 16-gauge perforated steel - providing ventilation, visibility, security and great looks.

**Fan Kit.** Model LWF-Kit is an optional interior fan that mounts easily to holes provided in the side vent pattern. The fan kit includes one 4.7" fan (50 cfm) with a protective guard, cordset, and hardware.

**14"D Drawer.** Series L28 is the ideal storage device for L250 Series wall cabinets. 14"D Models include L28-193 (2RU), L28-195 (3RU), or L28-197 (4RU).

**Extra Mounting Rails.** Series L212 may be added when rear rail support is required.

**Extra Panel Hardware** PilotPoint™ RSP-500 (500 qty jar), RSP-100 (100 qty bag), RSP50 (50qty bag)

Field friendly design allows swing orientation to be changed on-site without removing equipment; a real time saver if equipment has been pre-installed, wire dressed, and bench tested. Some configurations may require moving hinges in the field; a much easier task than removing and rewiring equipment.

All sections and doors are shipped for right-hand hinging.

<b>Field Flexibility!</b>		
Easily change swing orientation without removing equipment. (configurations shown with front door)		
	<b>Right-hinge Section Right-hinge Door</b> (most common)	<b>As shipped</b> (no change required)
	<b>Right-hinge Section Left-hinge Door</b>	Move door hinges
	<b>Left-hinge Section Left-hinge Door</b>	Invert backbox Move section L-pin hinges Move door hinges
	<b>Left-hinge Section Right-hinge Door</b>	Invert backbox Move section L-pin hinges



## L250 Series

### Swing-out (Sectional) Wall Cabinet - 19"W x 14"D Mounting Section

#### A & E Specifications

**Sectional Wall Cabinet(s) shall be Lowell Series L250** Model \_\_\_\_\_ (L250-12, L250-17, L250-21, L250-28, L250-36, L250-42, L250-61) with 4.69"D backbox, 14"D mounting section equipped with vents, key operated side locks, and solid front door.

**Ordering option:**

*Suffix -LD for less front door if open access or field mounted perforated or Plexiglas door is specified.*

Mounting section(s) shall measure 23.062"W x 14.18"D x \_\_\_\_"H with \_\_\_\_RU panel space for mounting 19"W E.I.A. standard components. Mounting section(s) shall include one pair of front-to-rear adjustable mounting rails tapped 10-32 with mounting hardware. The section shall also include integral rails on E.I.A. spacing, top and bottom, and knockouts for BNC style antennas top and bottom. The mounting section shall be formed of 16 gauge certified US steel with triple-formed side-to-bottom and side-to-top wrapped construction to achieve strength equivalent to 3/16" thick steel. The mounting section attaches to the backbox from the inside using two heavy-duty, spring-loaded L-pins that are

self seating and positive locking. The L-pins may be moved to the opposite side to change swing orientation if desired.

Finish shall be wrinkle powder epoxy.

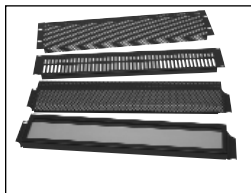
The companion backbox shall be 4.69"D and formed from 16 gauge certified US steel with keyhole mounting slots on 16" centers. It shall include a 10" x 10" opening for mounting over electrical pull boxes, removable knockout panels top and bottom, embossed dimples and lacing points on the backplane, and two locks on the 4.69"D side for security between the backbox and the mounting section. Knockout panels shall be equipped with 0.5" knockouts for BNC and compound knockouts for conduit size .75"-.5" and 1.5"-1".

**Optional rack system accessories** shall include surface Plexiglas or perforated front door Model \_\_\_\_\_, fan kit Model LWF-KIT, shallow depth drawer model \_\_\_\_\_, extra mounting rails Model \_\_\_\_\_ and other accessories specified: \_\_\_\_\_.

*Lowell racks and cabinets are manufactured in the USA using Certified US steel. For quality assurance, they are precision formed and finished to the same exacting standards to provide trouble-free installation and professional appearance.*



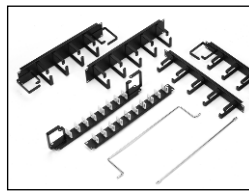
**Remember to specify Lowell Rackware® accessories to meet your project requirements.**



Vent and Blank Panels



Shelves and Drawers



Wire Management



Cooling



Hardware

Order extra PilotPoint™ screws.

**See also Lowell's complete section of AC power products including rackmount panels, strips, controllers, sequencers, filters and surge suppressors.**



Power