

# Component Specifications

Sold by:



Part Number  
5R4xx-00N

## Universal Fiber Optic Patch Panel

2RU (2 Rack Units [3.5"] High)

### APPLICATION

For rack or wall-mount fiber applications requiring patching, cross-connect, and/or splicing of singlemode or multimode fibers while utilizing a minimum of rack or wall space.

### STANDARDS COMPLIANCE

Meets all applicable standards: UL Listed; meets or exceeds with all TIA/EIA-568-B requirements; and meets FCC Part 68.

### PHYSICAL SPECIFICATIONS

**Materials:** Panels are constructed of 16 gauge steel, black color with white lettering. Fiber management rings are made of self-extinguishing plastic rated UL 94V-0. Grommet material is Ensolite™.

**Dimensions:** 3.5" H x 19.0" W x 12.0" D, two rack units high.

**Connectors:** Accepts all Leviton fiber mounting plates, see chart on back for number of fibers in various configurations.

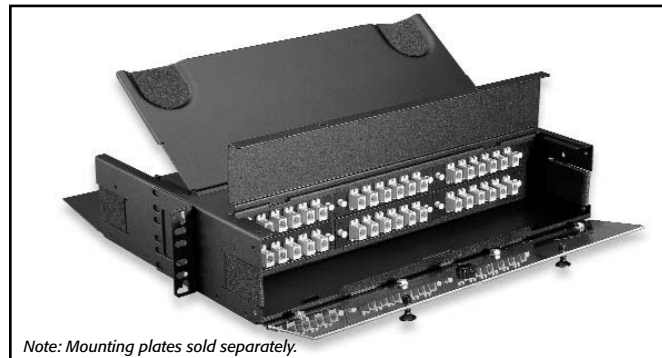
### DESIGN CONSIDERATIONS

- Panels are empty. Order mounting plates and adapters separately.
- Specify the type of mounting plates to be installed in the panel.
- Specify if splicing is to be used, and if so, what type.
- Recommend that panels be arranged to allow future growth.
- Designation stickers allow identification of port assignments.
- Panels are capable of storing up to 3 meters of 900 micron tight buffered fiber per adapter.
- Door options: Metal, smoked polycarbonate, or metal door with lock (default configuration is lock on front door only).
- Specify if lock is required on rear or both doors.
- Includes hardware kit with Hook and Loop ties, screws, a caution label, and cable ties.
- Wall-mount or rack-mount.
- If rack-mount, specify width of rack or cabinet, mounting ears are adjustable for 19" (standard) or 23" (optional) mounting.

### UNIQUE FEATURES

- Removable front and rear access lids that can be used as a convenient place to adhere label.
- Mounting brackets that allow panel to be installed on any rack space.
- Fits up to 4 Leviton splice trays.
- Self-healing grommet material at all cable entry/exit points.
- Ingress/egress slots on the front, rear and sides allow cable to enter the box from any direction.
- Removable front and rear doors.
- Includes 3 plastic blank plates.
- Dual stackable and adjustable fiber management rings.
- Rack-mount or Wall mount for maximum flexibility.

See ELECTRONIC FILES for CAD files (.DXF, .DWG, MS-DOS.EPS) on disk



Note: Mounting plates sold separately.



For ELECTRONIC Typical Specs see (.TXT) file on disk.

### TYPICAL SPECIFICATION

The patch panel shall accommodate fiber adapters in 3.5" rackspace (2 rack units) or have the capability to be attached directly to the wall via brackets. Adapters shall be mounted on metal plates, and attached to the patch panel using plastic plungers. The mounting plates shall have a port designation number stamped into the metal near the adapter. The patch panel shall have front and rear doors as well as lids that can be easily removed. The doors must also open to less than 90 degrees and be designed to be used as a work surface. There shall be vertical ingress/egress features in the form of slots in the top, bottom and sides of the panel, both front and rear. All ingress/egress slots shall be covered with a self adhesive UL 94V-0 rated grommet material. The panel shall provide strain relief in the form of a grounding lug and multiple tie wrap points. The panel must have mounting ears that allow mounting on 19" or 23" hole centers in either a mid- or flush-mount configuration. The panel shall have dual plastic rings made of high impact UL 94V-0 rated self-extinguishing plastic. These rings must be stackable and adjustable. A port identification label/card shall be provided. The panel shall be made of 16 gauge steel, painted black. A one-year limited warranty shall be provided by the manufacturer. A lifetime warranty against defects in material and workmanship shall be provided by the manufacturer for this unit when installed in a certified system.

### WARRANTY INFORMATION

- One-year limited product warranty is standard.
- Product warranty is extended to a Lifetime with a 15-year performance guarantee when the product is installed as part of Leviton's Certified Cabling System.



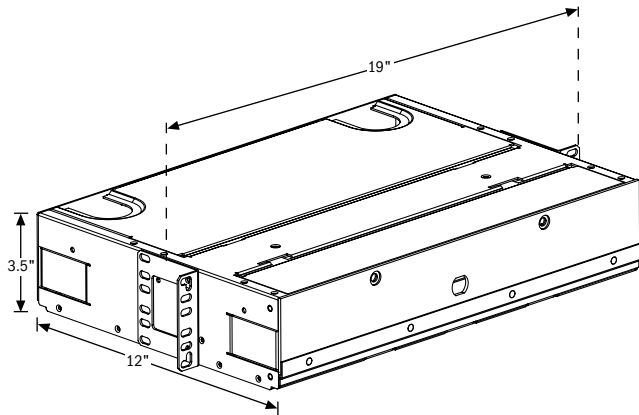
For Applications Engineering Support – Call 1-425-485-4288; in USA call 1-800-722-2082  
Spec sheets and updates are also available at [www.levitonvoicedata.com](http://www.levitonvoicedata.com).

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**Part Number**  
**5R4xx-00N**

## DIMENSIONAL LINE ART

See ELECTRONIC FILES for CAD images  
(.DXF, .DWG, MS-DOS.EPS)



## PART NUMBER

<b>Universal Fiber Optic Patch Panels (2RU)</b>	<b>Part No.</b>
2RU Panel with Metal Door and Lock	5R440-00N
2RU Panel with Metal Door (no lock)	5R430-00N
2RU Panel with Poly Door (no lock)	5R460-00N
<b>Replacement Doors</b>	<b>Part No.</b>
2RU Replacement Metal Door	5D000-3RM
2RU Replacement Poly Door	5D000-3RP

## ACCESSORIES

<b>Description</b>	<b>Part No.</b>
12 Splice Ditel Fusion Splice Tray Kit	5T000-00T
Fibrlok™ Splice Holder	5T000-3MT
AT&T Rotary Splice Holder	5T000-ATT
Lock and Key	5L000-LOK
Additional Fiber Rings (package of 2)	5R100-0FR
Slide Mounts (kit)	5S100-SLM

## FIBER DENSITY CHART

### RACK-MOUNT OPTIONS

#### Low Profile 1RU

Holds 1 High-Density Bulkhead  
w/ or w/out 2 Mounting Plates  
6-pack ST or FC = up to 12 Fibers  
8-pack ST or FC = up to 16 Fibers  
3-pack Duplex SC = up to 12 Fibers  
6-pack SC = up to 24 Fibers  
6-pack MT-RJ = up to 24 Fibers  
12-pack MT-RJ = up to 48 Fibers

#### 2RU

Holds up to 6 Mounting Plates  
6-pack ST or FC = up to 36 Fibers  
8-pack ST or FC = up to 48 Fibers  
3-pack Duplex SC = up to 36 Fibers  
6-pack SC = up to 72 Fibers  
6-pack MT-RJ = up to 72 Fibers  
12-pack MT-RJ = up to 144 Fibers

#### 3RU

Holds up to 12 Mounting Plates  
6-pack ST or FC = up to 72 Fibers  
8-pack ST or FC = up to 96 Fibers  
3-pack Duplex SC = up to 72 Fibers  
6-pack SC = up to 144 Fibers  
6-pack MT-RJ = up to 144 Fibers  
12-pack MT-RJ = up to 288 Fibers

#### 6RU

Holds up to 24 Mounting Plates  
6-pack ST or FC = up to 144 Fibers  
8-pack ST or FC = up to 192 Fibers  
3-pack Duplex SC = up to 144 Fibers  
6-pack SC = up to 288 Fibers  
6-pack MT-RJ = up to 288 Fibers  
12-pack MT-RJ = up to 576 Fibers

### WALL-MOUNT OPTIONS

#### Small

Holds up to 2 Mounting Plates  
6-pack ST or FC = up to 12 Fibers  
8-pack ST or FC = up to 16 Fibers  
3-pack Duplex SC = up to 12 Fibers  
6-pack SC = up to 24 Fibers  
6-pack MT-RJ = up to 24 Fibers  
12-pack MT-RJ = up to 48 Fibers

#### Medium

Holds up to 4 Mounting Plates  
6-pack ST or FC = up to 24 Fibers  
8-pack ST or FC = up to 32 Fibers  
3-pack Duplex SC = up to 24 Fibers  
6-pack SC = up to 48 Fibers  
6-pack MT-RJ = up to 48 Fibers  
12-pack MT-RJ = up to 96 Fibers

#### Large

Holds up to 12 Mounting Plates  
6-pack ST or FC = up to 72 Fibers  
8-pack ST or FC = up to 96 Fibers  
3-pack Duplex SC = up to 72 Fibers  
6-pack SC = up to 144 Fibers  
6-pack MT-RJ = up to 144 Fibers  
12-pack MT-RJ = up to 288 Fibers



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