

Wall Mounted Enclosure, ODB Series 100B



Features & Benefits

- Compact UV resistant 94V-0 polycarbonate plastic
- Indoor and outdoor applications (IP55 rated)
- Impact resistant plastic with two external latches
- Wall mount or pole mount options
- Room for 12 mechanical or fusion splices and two splitters
- 2 PG16 input ports; 8 output ports (2mm to 7mm)
- 4 SC Duplex or LC Quad adapters
- Integrated splice tray and fiber management
- 216c can wrench lock with protective cap
- 2011/65/EU RoHS compliant and halogen free



Overview

PPC's Optical Distribution Box (ODB) Series 100B is a compact, robust, outdoor-rated wall mount enclosure designed for FTTx networks in single dwelling, multi-dwelling and multi-tenant applications for up to 16 subscribers (when using splitters). The ODB 100B features an internal swing panel with a rear splice area for 12 mechanical or fusion splices, one or two PLC splitters, and excess fiber storage. The front face of the swing panel holds 4 SC duplex or LC quad adapters and provides fiber management for the output cables.

The ODB 100B can be securely mounted to a flat surface with 4 screws, accessible only when the cover is open. A pole mounting kit is also available.

Mechanical Data

Dimensions (W x H x D)	Weight
<i>in (mm)</i>	<i>pounds (kg)</i>
8.0 x 8.0 x 3.6 (204 x 204 x 92)	4.5 / 2

Input	Output
	<i>mm</i>
Two each PG16 glands	Two each 4 port rubber grommets (2 to 7 diameter)

Splitter capacity	Splice capacity	Material
1 or 2 PLC splitters	12 mechanical or fusion splices	UV resistant polycarbonate (RAL 7035, RAL 7016)

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Environmental Data

Operating temperature		Water and dust resistance	
°F (°C)			
-40 to 149 (-40 to 65)		IEC 60529 IP55	
Impact resistance		Flammability	
		mm	
IEC 62262 IK08		UL94V-0 for 3.0	
UV resistant	Free of halogen	2011/65/EU RoHS	
yes	yes	Fully compliant	

Ordering Information

Example ODB1B | 2 S D A | 0 0 4 | 1 G Y |

1 2 3 4

1 Adapter type	2 Port type	3 Splice Protectors
2SDA = 2x SC/APC duplex 4SDA = 4x SC/APC duplex 2SDU = 2x SC/UPC duplex 4SDU = 4x SC/UPC duplex 2LQA = 2x LC/APC quad 4LQA = 4x LC/APC quad 2LQU = 2x LC/UPC quad 4LQU = 4x LC/UPC quad	004 = 4 port 4 pigtailed and adapters 008 = 8 port 8 pigtailed and adapters 012 = 12 port 12 pigtailed and adapters 104 = 4 port 1x4 PLC splitter 2x102 = 4 port 2x(1x2) PLC splitters 204 = 4 port 2x4 PLC splitter 108 = 8 port 1X8 PLC splitter 2x104 = 8 port 2x(1x4) PLC splitters 208 = 8 port 2x8 PLC splitter	1 = Heat-shrink type 2 = Crimp type
		4 Colour
		GY = Light Grey BK = Anthracite Dark Gray (Black)

Note: all PLC splitters have pre-terminated output leads

Accessories

Part Number	Description
ODB-100-PMB	Pole Mount Brackets (set of 2 per ODB)