FieldSmart®
ZoneBox

CLEARFIELD

Application

The FieldSmart ZoneBox is a small base box designed for ceiling or floor POLAN environments. Passive Optical Local Area Networks use established FTTH GPON technologies to deliver high speed bandwidth to the desktop in business environments. When running fiber to the desktop, the FieldSmart ZoneBox is used to break out IFC distribution cables into individual drops while utilizing splitters to maximize network efficiency. In addition, the FieldSmart ZoneBox can be used as a transition point inside buildings. POLAN technology helps create a simple network design that reduces time and the cost of provisioning and upgrades.

Description

Utilizing the Clearview® Blue Cassette, the FieldSmart ZoneBox provides a POLAN sub floor or ceiling mount enclosure that easily scales from 12 to 144 ports. Preloaded for patch only, patch and splice or MPO plug-and-play applications, the ZoneBox can be shipped loaded with your industry standard adapter of choice, while supporting all cable constructions for inside plant environments. The FieldSmart ZoneBox is a solid enclosure designed to protect fiber terminations from damage. Access is provided by a hinged cover for ceiling applications or removable cover that pulls off for sub floor applications. When used for PON applications, the FieldSmart ZoneBox supports the ability to house up to six splitter modules, including a single 1 x 32 splitter. The FieldSmart ZoneBox provides a swinging bulkhead for rear-access to the cassettes and protects sub-unit slack storage.

Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the FieldSmart ZoneBox system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priorities.

Features and Benefits

Integrity
- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Compliant to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect
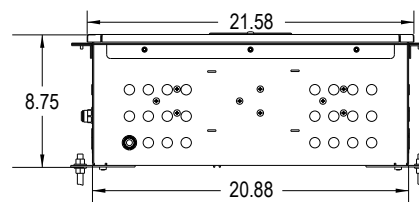
Protection
- 12-fiber Clearview Cassette houses each 12-fiber increment of patch only or patch & splice, protecting fiber from the environment and human factors
- Patch only buffer tubes fully protected with ruggedized bend limiting tubing
- Small splitter package for minimal space requirements, ruggedized jacketing on input/output legs and bend insensitive fiber

Access
- Clearview Cassette allows for quick visual troubleshooting without opening the cassette
- Front access to pre-terminated assemblies with Clearview removable adapter plate
- Easy two captive fasteners for quick removal of individual cassettes for troubleshooting, splicing or replacement
- Knock-outs for ducts, cables and couplings

Investment
- All fiber deployed in increments of 12, providing the users the ability to scale from 12 ports to full capacity aligning capital investment with network layout or subscriber revenue
- Patch and splice configurations eliminate costs associated with jacketed IFC cabling, hand-holes and splice cases
- Scalable to 144 ports of fiber using Clearview Cassettes loaded with interface of your choice

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Technical Specifications

FieldSmart ZoneBox	
Dimensions	20.88" H x 21.58" W x 8.75" D
Port Density	12 Feeder Ports - Up to 144 Distribution or Cross-Connect Ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor, FieldShield®
Splice Capacity	12 splices in each Clearview Cassette
Storage Capacity	Up to 5 meters of 12-fiber IFC Micro Distribution Buffer Tube
Material	Anodized Aluminum

Configured Part Numbers

Z B ___ ___ - ___ ___ ___ - ___ ___ ___ - ___ Z ___ XXXM or XXXF

1 **2** **3** **4** **5** **6** **7** **8**

1 Select Application

B = Ceiling mount – 8 in. (4 RU)
D = Floor mount – 8 in. (4 RU)

2 Select Feeder Port Count

1 = 0
2 = 12
3 = 24

3 Select Distribution Port Count

000 = 0
012 = 12
024 = 24
036 = 36
048 = 48
072 = 72
144 = 144
288 = 288

4 Select Connector #1

A = SC/UPC
C = SC/APC
F = LC/UPC Duplex
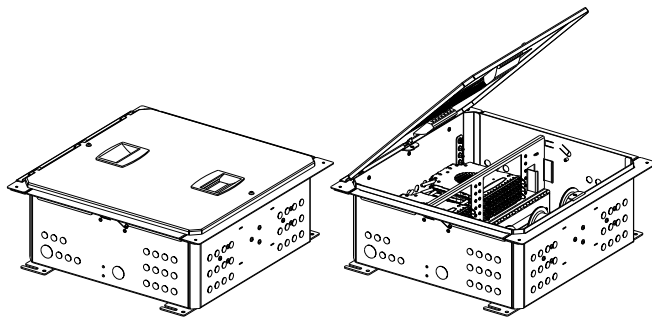H = LC/APC Duplex
Z = None

5 Select Mode and Type

1 = Singlemode (non-ribbon)
2 = Singlemode (ribbon)
3 = Multimode 62.5 um
Z = Empty

6 Select Jacket Construction

A = Indoor riser IFC
B = OSP riser
C = Plenum IFC
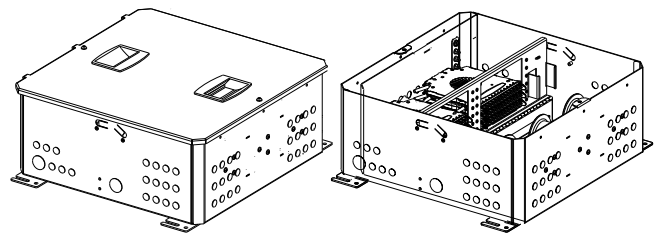F = Patch and splice
W = FieldShield
Z = None

7 Select Extras

Z = None
A = Trim kit (ceiling only)

8 Select Cable Exit

2 = Top left
4 = Bottom left
Z = N/A (patch and splice)

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

Ceiling ZoneBox

Floor ZoneBox