

## DB32™ Distribution Box

### Specification Sheet

The **Fiber Defender® Model DB32 Distribution Box** is an accessory component that makes the installation of Fiber Defender perimeter security systems more efficient. It includes all the parts required to facilitate the installation of the FD525 perimeter security intrusion detection system.

The unit creates a field mounted signal distribution center, dividing the signal produced at the APU and transmitted along a pair of fibers, or lead-in cable, into 32 discrete optical fibers or zones. This distribution center will serve as a test point for evaluation of each sensing element and lead-in cable while also allowing site engineers and technicians the ability to manage zone lengths and conflicts through length specific port assignment.

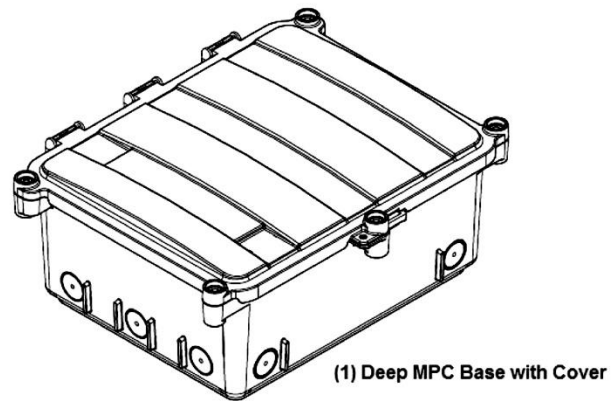
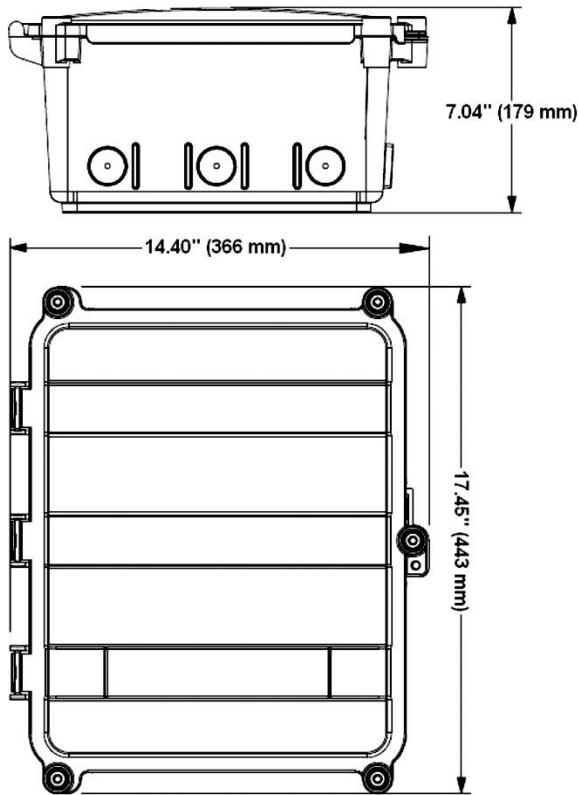
The **DB32** is equipped with a 34 port bulkhead (2 input and 32 output) along with a factory assembled passive optical splitter array and partially assembled demarcation splice tray capable of housing up to 40 single fusion splices. The installed splice tray allows field technicians to fusion splice the lead-in and backbone cables to the pre-connectorized pigtails. The system connects at the bulkhead using the new Fiber SenSys 500 Series **Port Assignment Wizard™** software.

Carrying a NEMA 4 rating and temperature specification of -40 degrees to +75 degrees centigrade, the **DB32** is constructed of UV stabilized, flame retardant (UL 94-5VA) polymer. Eight cable entrance ports are located around the closure exterior for ease of installation and the unit is supplied with a dual port cable grommet capable of accepting the lead-in and backbone cables simultaneously.



Features	Applications
NEMA 4 rated	Multiple strain relief options
34 port bulkhead	Rugged outdoor durability
Fusion Splice Capable	Highly customizable configuration
8 cable entrance ports	Fence or wall mountable

## DB32 DISTRIBUTION BOX SPECIFICATION DIAGRAM



TECHNICAL SPECIFICATIONS	
Exterior Dimensions	<ul style="list-style-type: none"> <li>• Width: 14.4 in (36.6 cm)</li> <li>• Length: 17.45 in (44.3 cm)</li> <li>• Height: 7.04 in (17.9 cm)</li> </ul>
Industry Standards	<ul style="list-style-type: none"> <li>• NEMA Type 4</li> <li>• ISO 9001 / 2000 manufacturing Compliance</li> <li>• Telcordia OR 771 Core</li> </ul>
Enclosure Flammability	Evaluated and listed per UL 94-5VA
Operating Temperature	-40 degrees to +75 degrees centigrade (-40° to 167° F.)
Splicing Capacity	Up to six splice trays, 40 single fiber splices per tray
Couplers	Duplex SC/APC type polymer with zirconia mating sleeves
Weight	8.2 lbs.
Product Compatibility	FD525 and FD525R Alarm Processor Unit (APU)

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