

# Radiator® II

## Below Ground HDSLx 8-Slot Repeater Housing



ADC's latest addition to its family of outside plant products, the Radiator® II Below Ground HDSLx Repeater Housing, is a highly cost-effective outside plant enclosure for local loop electronics. With its advanced thermal management capabilities, the Radiator II extends the life of enclosed cards or repeaters and reduces costly truck rolls and maintenance. Radial placement of card slots permits efficient and predictable thermal transfer for uniform cooling. In addition, its unique design allows the heat to radiate externally, increasing the reliability of the enclosed electronics.

Designed for manhole applications, the Radiator II below ground housing can be mounted horizontally which requires 50 percent less space, doubling the number of housings and quadrupling circuit density. When mounted vertically, the integrated tilt bracket greatly reduces the amount of clearance required. When deployed, the enclosure provides mounting for up to 8 single wide or 2 double wide 239-style HDSL, HDSL4, T1, ISDN, or DDS repeaters. Up to 6 double wide 239-style repeaters may be accommodated with an optional upgrade kit (catalog number (RAD-DWKIT).

### Benefits

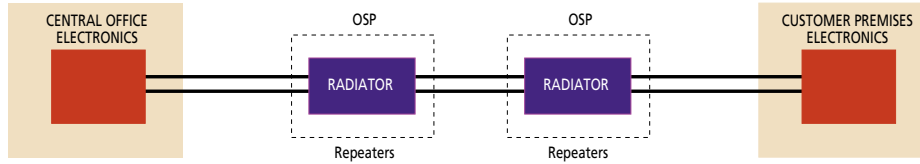
- Radial placement of card slot improves thermodynamic performance for maximum reliability and repeater plug life
- Flexible, high-density design supports 8 single or 2 (6 with RAD-DWKIT) double wide HDSL, HDSL4, G.SHDSL, T1, ISDN and DDS repeaters
- Easier installation with smaller footprint and up to 30 percent less weight than other 8-slot repeater housings and many 4-slot housings
- Up to 44 percent less weight than Radiator II 16-slot repeater when the extra capacity is not required
- Improved corrosion protection with domed lid and added test access card retainer
- Primary protection is integrated into card slot connector easing replacement and reducing line stub length for better performance and protection
- Improved cable strain relief reduces potential cable damage during installation
- Cable stub uses traditional color code for easier and quicker installation
- Repeaters and lightning protection are easily accessible from the lid
- Build-in test card retainer for included test access card

SPEC SHEET



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The Radiator II Below Ground HDSLx 8-Slot Repeater Housing is designed to withstand hostile conditions, improve thermodynamic performance and reliability of the outside plant electronics in 50 percent less manhole space than traditional enclosures. It includes a 30-foot, 100-pair air core screened, dual armor cable stub.



## Specifications

**Housing Construction, Lid:  
Capacity:**

**Ambient Temperature Range:**

**Relative Humidity:**

**Pressurization:**

**Security:**

**Dimensions:**

**Weight (without modules/cable stub):**

**Mounting:**

**Lightning Protection:**

**Safety Standards Compliance:**

**GR 63-CORE:**

**GR 487-CORE:**

**GR 950-CORE:**

**TR-TSY-000056:**

**FCC Part 15:**

**Binational Standard:**

Non-corrosive 18-gauge seamless, 316 stainless steel, painted white  
Supports 8 single or a maximum of 6 double wide HDSL, HDSL4, G.SHDSL, T1, ISDN and DDS repeaters

-40°F to +149°F (-40°C to +65°C)

100% when pressurized

12 psi maximum – pressure relief valve

V-band may be secured with a padlock

Diameter 12.5", housing and mounting bracket together 14.25" high  
Approximately 28 lbs.

Backboard or underground rack mount

Three-element gas tube

Equipment tested and verified to comply with the following standards:

Network Equipment-Building System (NEBS) Requirements

Generic Requirements for Electronic Equipment Cabinets

Generic Requirements for Optical Network Unit (ONU) Closures

Repeater Housings for T1, T1C, T1D, and T1G Carrier Systems

Electrical Safety

UL-60950/CSA C22.2 No. 950-95: Safety of Information

Technology Equipment

SPEC SHEET

### Ordering Information

Description	Catalog Number
<b>Radiator II 8-Slot Below Ground HDSLx Repeater Housing</b> 30' air core stub, pressurized	RAD-BA30-8



### Website: [www.adc.com](http://www.adc.com)

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