DATA SHEET

DC Surge Protection for RRH/Integrated Antenna Radio Head RRFDC-4750-PF-48 • RRFDC-3315-PF-48 (DB-T1-6Z-12AB-0Z) • (DB-B1-6C-12AB-0Z)

Rooftop Distribution Model • Tower / Base / Rooftop

Raycap's flexible Tower,
Base Stations and Rooftop
protection and Distribution
products provide protection
for up to 6 Remote Radio
Heads/Integrated Antennas.
The solutions mitigate the risk
of damage due to lightning
and provide high levels of
availability and reliability to
radio equipment.





Mounting Bracket Included

90° elbow for side entry.
Can be installed on left
or right side of unit.

Features

- Employs the Strikesorb® 30-V1-HV Surge Protective Device (SPD) specifically designed for the Remote Radio Head (RRH) installation environment and certified for use in DC applications and at low DC operating voltages (48V).
- The Strikesorb 30-V1-HV is a Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where direct lightning exposure is expected. Strikesorb 30-V1-HV is able to withstand direct lightning currents of up to 5kA (10/350) and induced surge currents of up to 60kA (8/20).
- Provides very low let through / clamping voltage unique for a Class I product as
 it does not employ spark gaps or other switching elements. Strikesorb offers unique
 protection levels to the RRH equipment as well as the Base Band Units.
- Alarms for SPD sacrifice. Moisture detection and Intrusion.
- Fully recognized to the UL 1449 3rd Edition Safety Standard.
- Digital Voltmeter with six (6) position switch to monitor each DC circuit (Model RRFDC-3315-PF-48).
- Patent pending design

Benefits

- Offers unique maintenance-free protection against direct lightning currents.
- Protects up to 6 Remote Radio Heads and connects up to 12 fiber pairs.
- Utilizes an IP 67 rated enclosure, allowing for indoor or outdoor installation on a roof or tower top.
- Configurable cable ports are designed to accommodate varying diameters of hybrid (combined power and fiber optic) or standard cables with diameters up to 2" (will fit most standard 15/8" coax class cables) depending upon port configuration.
- · Lightweight aerodynamic design provides maximum flexibility for tower top installation.
- Companion to the RRFDC-1064-PF-48 (Sector) model.



Tower / Base / Rooftop / Rooftop Distribution Models: RRFDC-4750-PF-48 RRFDC-3315-PF-48



Companion Sector Model: RRFDC-1064-PF-48



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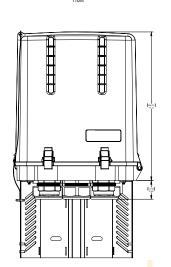
SPECIFICATIONS

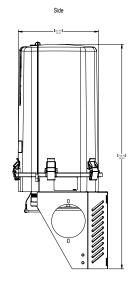
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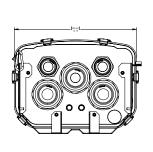
Rooftop Distribution Model • Tower / Base / Rooftop

RRFDC-4750-PF-48	RRFDC-3315-PF-48
DB-T1-6Z-12AB-0Z	DB-B1-6C-12AB-0Z
48 VDC	48 VDC
n/a	20 kA 8/20 μs
n/a	60 kA 8/20 μs
n/a	5 kA 10/350 μs
n/a	75 VDC
n/a	400V
n/a	Class I
n/a	upon sacrifice
microswitch	microswitch
infrared moisture detector	infrared moisture detector
	30-V1-HV
	Strikesorb modules installed to
(used as Distribution Unit only)	protect 6 Remote Radio Heads
Compression lug, #14 - #2 AWG (2 mm² - 33 mm²)	
LC-LC Single mode	
Gore™ Vent	
IP 67	
-40° C to +80° C	
Yes	
System: 26 lbs (11.80 kg)	System: 32 lbs (14.51 kg)
150mph (sustained): 185 lbs (823 N)	
rotective Device (SPD) Standards	
ANSI/UL 1449 3rd Edition	
IEEE C62.41	
NEMA LS-1, IEC 61643-11:2011 (Cla	ass I Protection)
NEMA LS-1, IEC 61643-11:2011 (Cla IEC 61643-12	ass I Protection)
	DB-T1-6Z-12AB-0Z 48 VDC n/a n/a n/a n/a n/a n/a n/a n/

Product Diagram







[mm] inches









