

ROC-19, ROC-19L

Outdoor Cabinets



- Outdoor cabinets for one 19"-wide device, with optional integrated fiber splicer, lightning protection, POE injectors and cable guides
- IP56-66/NEMA-4-rated metal enclosure
- Grounding and overcurrent protection
- 2- or 3-point door locking
- Optional intake fan with replaceable filters, or passive cooling
- Wall or pole mounting

ROC-19, ROC-19L are fully contained outdoor cabinets intended for housing a single 19"-wide AC/DC device. With their flexible design and easy-fit outdoor use, these outdoor cabinets are ideal for covering the telecommunication needs of residential neighborhoods, apartment complexes, shopping malls, airport passenger halls, airport service hangars, university campuses etc.

The ruggedized IP56 (ROC-19, ROC-19/24V) and IP66 (ROC-19L) NEMA-4-rated construction with rain hood, offers full shielding and elemental protection. Where needed, efficient ventilation is assured by an intake fan with replaceable air filters (ROC-19, ROC-19/24V) or passive convection (ROC-19L).

2-point (ROC-19L) or 3-point door locking (ROC-19, ROC-19/24V), integrated fiber cable splicer/guide system, intrusion detection and overcurrent protection ensure secure maintenance access.

Specifications

MAIN CHARACTERISTICS

Capacity	Up to 6 optical communication lines (can be adjusted, on a per-case basis)
Door Lock	2-point (ROC-19L) 3-point (ROC-19, ROC-19/24V)
Ventilation	Optional intake fan with replaceable air filters and exhaust vent (ROC-19, ROC-19/24V) Passive convection (ROC-19L)

SENSORS

Open Door	Intrusion alarm switch (optional)
Temperature	Thermostat (ROC-19, ROC-19/24V) Fan activation at 40°C (104°F) ±5°C (±13°F)

Physical

	ROC-19, ROC-19/24V	ROC-19L	Installed RAD unit (example)
Height	636 mm (25 in)	636 mm (25 in)	44 mm (1.76 in)
Width	657.3 mm (25.8 in)	620 mm (24.4 in)	440 mm (17.6 in)
Depth	232 mm (9.1 in) with closed door	232 mm (9.1 in) with closed door	240 mm (9.6 in)
Weight	up to 32 kg (70.5 lb)	up to 30 kg (66.1 lb)	up to 5 kg (11.05 lb)



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GENERAL

Housing	1.4-mm powder-coated steel
External feed for internal switch device	24 VDC nominal (20 to 27.6 VDC), all models 48 VDC nominal (40.8 to 57.6 VDC), available for ROC-19L and ROC-19*
Protection	Standard 3A GMT fuses (ROC-19, ROC-19/24V) 2 circuit breakers (ROC-19L)*
Environment	Ambient temperature (according to Telcordia GR-487-CORE): -40 to 46°C (-40 to 114.8°F) under full solar load, or -40 to 65°C (-40 to 149°F) without solar load**
Internal heat dissipation	ROC-19, ROC-19/24V: 65W (max) with FAN ROC-19L: 35W (max)
Humidity	5% to 100%, condensing

* Fuse ratings must be defined according to the requirements of the unit, installed in the outdoor cabinet.

** Specific heat load calculation should take into consideration of the device used inside the cabinet.

Ordering

RECOMMENDED CONFIGURATIONS

In addition to the below options, it is possible to tailor the different ROC-19 devices to exact needs.

ROC-19

Outdoor cabinet with 3-point door locking and intake fan, 24 or 48 VDC input

ROC-19/24V

Outdoor cabinet with 3-point door locking and intake fan, 24 VDC input

ROC-19L

Outdoor cabinet with 2-point door locking and passive ventilation, 24 or 48 VDC input

SPECIAL CONFIGURATIONS

This outdoor cabinet offers a variety of assembly options.

SUPPLIED ACCESSORIES

Wall mounting kit

OPTIONAL ACCESSORIES

The following items are the building blocks for each project, to be assembled before shipment.

ROC-19/PMK

Pole mounting kit for

Fiber Optic Splicer

Connection of fiber optic threads to LC connector

Fiber Optic Cable Reel

Strapping long/unused fiber threads

Power Module

Power supply for the fans

Lightning Protector Module

Lightning protection for copper data ports

PoE + Injector

PoE power injector module

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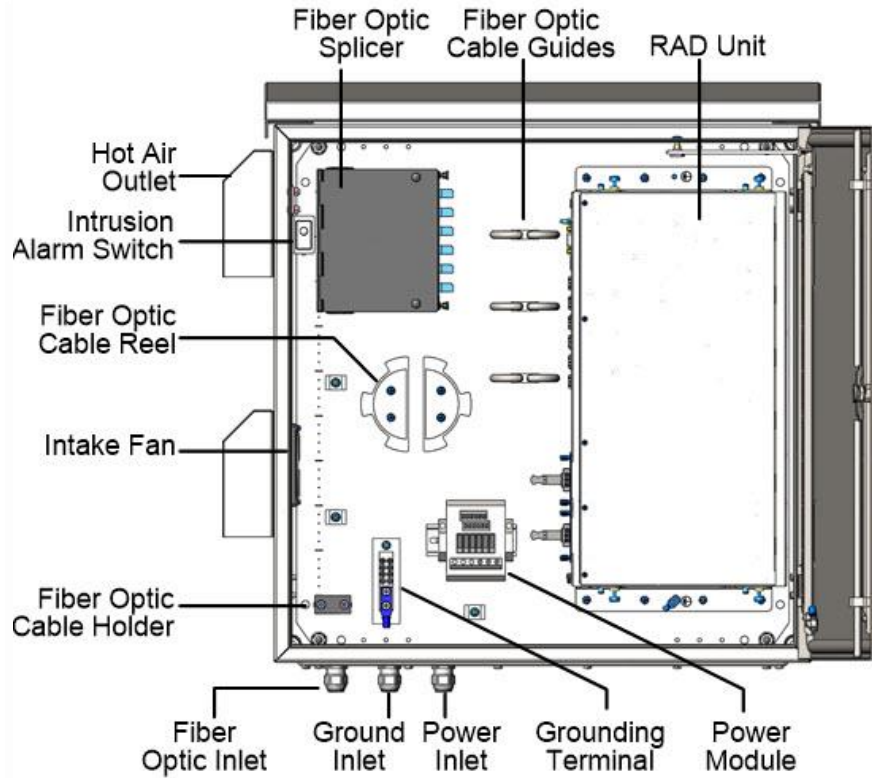


Figure 1. ROC-19 Fiber Optic Interior Tailored Design Example

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