

Mountable ROC Enclosure (Large)

The mountable ROC enclosure houses a ROC300-Series Remote Operations Controller and is designed to mount on a wall or panel. The enclosure withstands exposure to wind, rain, and icing, thereby providing environmental protection for electronic equipment in many field installations.

The enclosure is available in two models (EN31 and EN32) and can accommodate a ROC364 that has a backplate for either two or four Module Racks (up to 64 I/O points), a power supply (see Specification Sheet 2.2:PS), and a local display panel (see Specification Sheet 2.2:LDP). The component layout drawings in this specification sheet show typical placement of components.

The enclosure features an operator interface connector (for the interface cable accessory), mounting ears, a lockable hinged door, cutouts and studs for the optional local display panel, a ground bar, circuit breakers, and wiring ducts. It is constructed of heavy-gauge steel with a baked-on, corrosion-resistant finish.

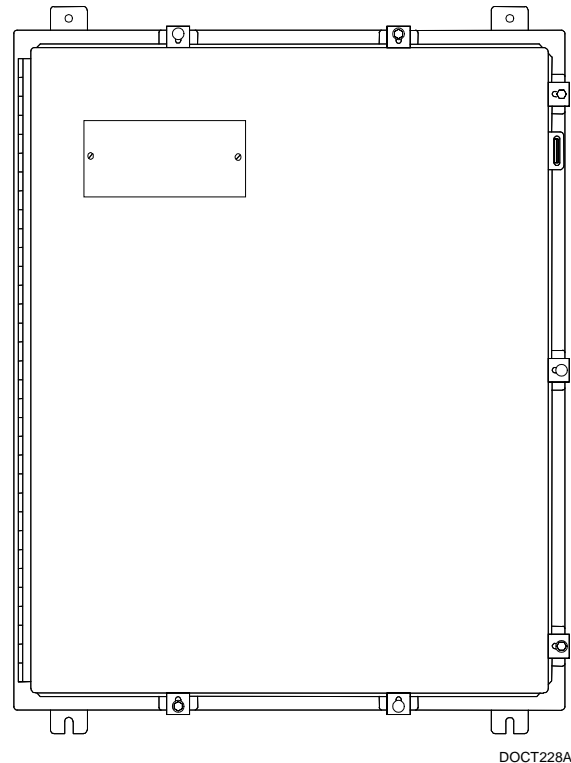
Options and Accessories

The enclosure is available with a ventilated battery compartment. The compartment has a screw-down lid with gasket, and it isolates the batteries from the electronics.

A separate Battery Enclosure is also available for use with the ROC enclosure, typically for the version without a battery compartment. The Battery Enclosure is normally floor-mounted near the ROC Enclosure. It is available in a partitioned model.

An intrusion switch is available and provides a closed contact whenever the door is opened. The contact can be monitored and alarmed by the ROC through one of its Discrete Input modules.

Also available are gelled-electrolyte batteries, a GFCI line-power receptacle, 15-Amp AC and DC relays, a local display panel, solar panels, and a pipestand mounting kit for the solar panels.



Mountable ROC Enclosure (Large)

ROC Enclosure Specifications

CONSTRUCTION

14-gauge welded steel box and hinged door with gasket. Door secured with stainless steel screw-clamp fasteners. Enclosure available with or without internal battery compartment.

Finish: Baked-on white polyester urethane.

Installed Circuit Breakers: One 15A breaker for AC power; one 10A breaker for DC power.

DIMENSIONS

Nominally 762 mm W by 914 mm H by 305 mm D (30 in. W by 36 in. H by 12 in. D). For details, see Enclosure Dimensions drawing on Page 3.

MOUNTING

Wall mounted, using welded-on mounting ears. For mounting dimensions, see Enclosure Dimensions drawing on Page 3.

WEIGHT (EMPTY)

Without battery compartment: 58 kg (128 lb)

With battery compartment: 62 kg (136 lb).

APPROVAL RATING

Designed to meet Type 4 (NEMA 4 equivalent).

INTERNAL BATTERY COMPARTMENT (OPTIONAL)

Enclosure is available with ventilated 14-gauge steel compartment (Type 13 rated) and lid with gasket.

Inside Dimensions (useable): 333 mm L by 219 mm W by 251 mm H (13.125 in. L by 8.625 in. W by 9.875 in. H).

Capacity: Holds batteries (not included) with capacity for up to 60 Amp-Hour @ 12V or 30 Amp-Hour @ 24V.

INTRUSION SWITCH (OPTIONAL)

Type: SPST, normally-closed, hermetically-sealed, spring-loaded plunger switch, with two push-on terminals.

Maximum Contact Rating (Resistive Load): 100 mA at 100 Vdc.

Approval Rating: Approved by CSA for hazardous locations Class I, Division 2, Groups A, B, C, and D.

Battery Enclosure Specifications

CONSTRUCTION

14-gauge welded steel box and lid (hinged along length), with screw-clamp lid fasteners, vapor vent, and floor or pole-mount flanges. Box is available with a partition that forms a power supply compartment.

Finish: Baked-on white polyester urethane.

DIMENSIONS

External: 410 mm L by 355 mm W by 255 mm D (16 in. L by 14 in. W by 10 in. D).

Internal (useable): 387 mm L by 333 mm W by 238 mm D (15.25 in. L by 13.125 in. W by 9.375 in. D).

Power supply compartment in partitioned box is 175 mm by 350 mm (7 in. by 14 in.).

MOUNTING

Two flanges on ends of box each have two 8 mm (0.3 in.) holes for flange mounting, with centers 425 mm (16.75 in.) by 305 mm (12 in.). Holes and U-bolt kit for pipestand mounting also provided.

CAPACITY

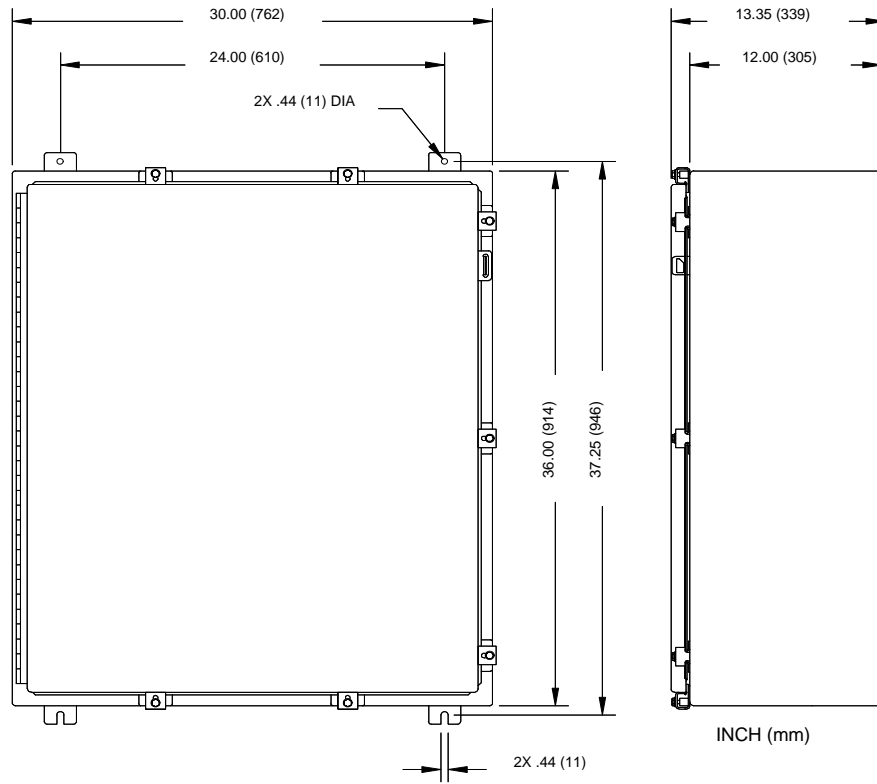
Non-partitioned box holds batteries supplying up to 120 Amp-Hour @ 12V or 60 Amp-Hour @ 24V.

WEIGHT (EMPTY)

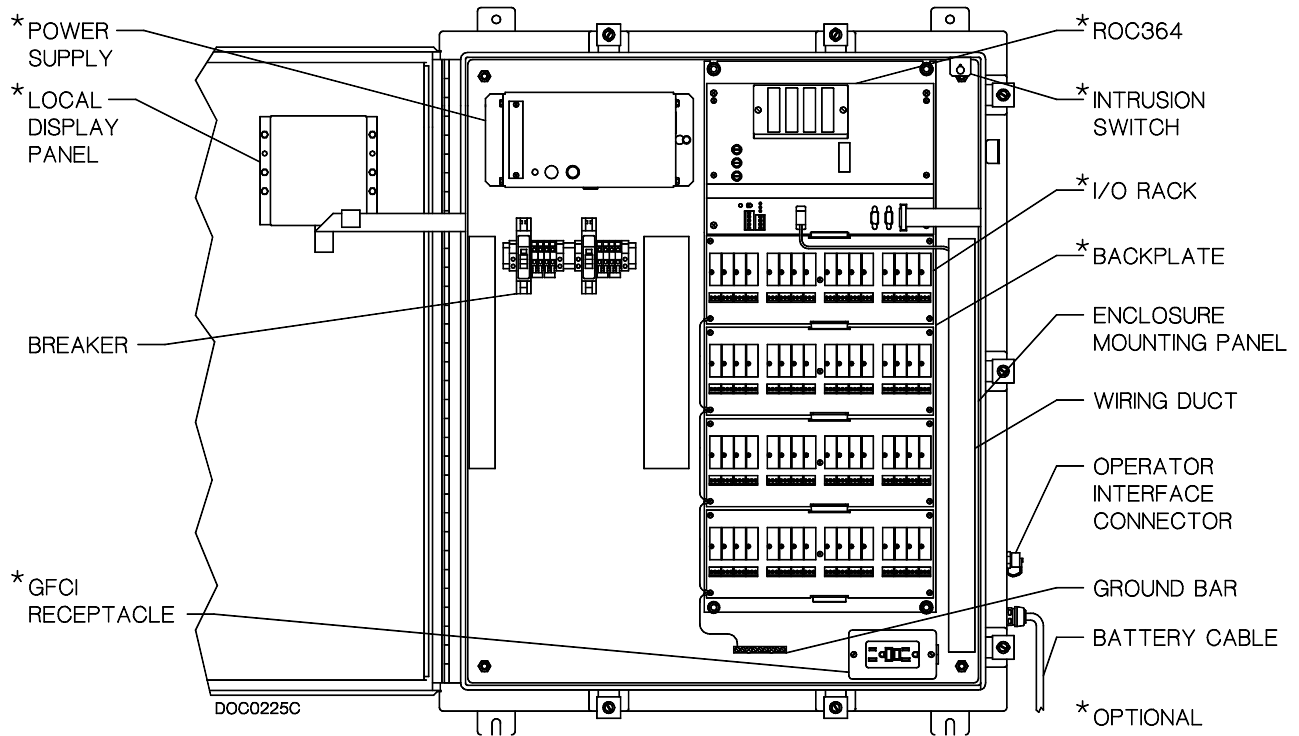
Without partition, 10.9 kg (24 lb); with partition, 12.3 kg (27 lb).

APPROVAL RATING

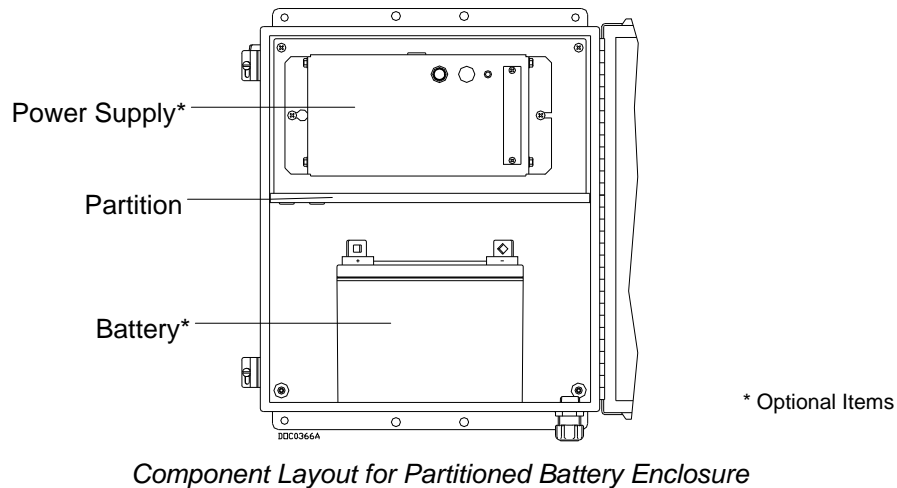
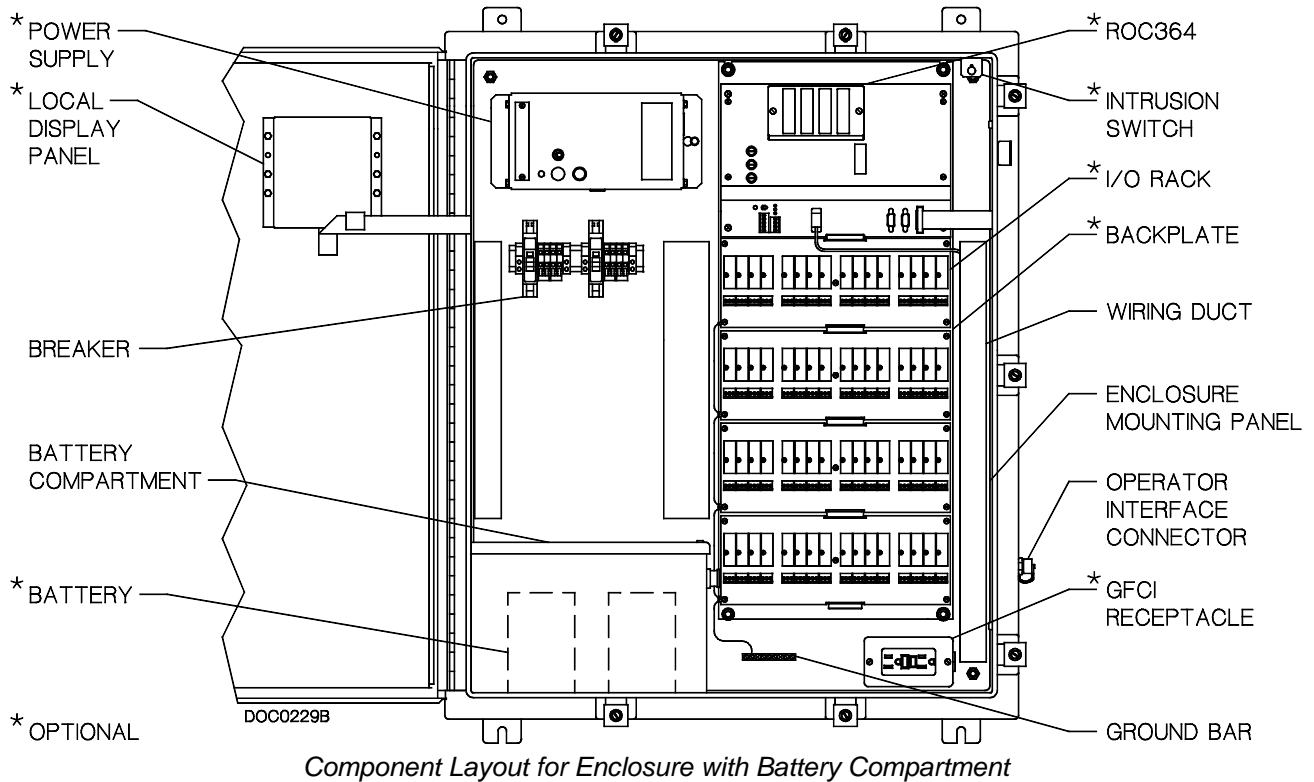
Type 13 (NEMA 13 equivalent).



ROC Enclosure Dimensions



Component Layout for Enclosure without Battery Compartment



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