

Standard Enclosure Features & Specifications

Caltrans Style traffic and ITS Enclosures

All enclosures manufactured by Southern Manufacturing are proudly ***Made in America*** in our ISO 9001:2008 registered facility. Unless otherwise noted, all 330 series enclosures conform to the specifications as published by the California Department of Transportation, CALTRANS, are UL Listed, have the following features and meet the specifications:

NEMA 3R – Southern’s 330 series enclosures are rated NEMA 3R which is defined as, “enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel access to hazardous parts: to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow); and that will be undamaged by external formation of ice on the enclosure.”

Materials:

- Constructed from .125” 5052-H32 marine grade aluminum with a mill finish.
- Hinges are made from heavy duty stainless steel and are tamper proof.
- Handles, if so equipped, are ¾” diameter stainless steel pad-lockable.

Construction:

- All exterior seams in the enclosure and doors are continuously welded.
- Edges are free of burrs.
- Double flanged door opening all around.
- Permanently bonded neoprene gaskets.
- Pagoda style top with cross-break and screened vents. (Except 340)
- Doors are designed for 100 pounds per vertical foot of door height load.
- Louvers are provided on the front doors with washable metal air filters and louvered aluminum filter cover.
- Corbin style locks front and rear, keyed #2 with 2 keys.
- Three-point latching with nylon rollers for the top and bottom strikers. Push rods are made from 6061 aluminum turned edgewise with a cross section of .25” thick by 0.75” wide.
- Door stop rods are aluminum with two positions (90° & 120°).
- Door switch bracket to accommodate two (2) 0.5” diameter switches.

- Fan plenum for dual 4" fan (optional).
- 19" EIA rack frame(s), electrolytic zinc plated 10 gauge steel tapped #10-32.
- Lifting eyes are heavy duty aluminum and designed to support 1,000 pounds.

Common Options:

- Police access panel with skeleton lock. (standard for traffic)
- Shelves (standard or heavy load) & pull out drawers.
- Fan and light kits (fluorescent or LED).
- Powder coated or anodized finishes.
- Best locks and custom keys.
- Pole mounting or wall mounting variations.
- Power panels
- Outlet strips
- Climate control (heating, air conditioning, and/or insulation).
- Integrated UPS systems
- Integrated remote management systems