Econolite Cabinets

Designed and built for ultimate ease in configuration and installation, Econolite offers the most extensive lines of ruggedized and weatherproof traffic signal controller cabinets. Econolite’s traffic cabinets comply with NEMA TS1 and TS2, Caltrans, ITS and ATCC standards, to ensure safety and reliability.

Econolite’s Lead Time Advantage

Every traffic cabinet is customized to the agency’s exact specifications with thousands of options and potential configurations. Using computer-aided design and advanced manufacturing techniques, Econolite can take the efficiencies of mass production and use them on every cabinet order, regardless of the order size. This mass customization gives Econolite traffic cabinets the shortest lead times possible while maintaining high quality and low cost.

The Modern Traffic Cabinet

Invoking modern design and advanced manufacturing, Econolite traffic cabinets have state-of-the-art features such as SDLC communications, intelligent system monitoring, load shedding, high efficiency power supplies, easy to configure panels, and more.

Safety is never compromised; Econolite’s high quality traffic cabinets are ensured through the many certifications achieved including UL-508, IPC-610, NEMA 3R, and Caltrans approval. Econolite is certified by MCNA, to the ISO 9001:2015 standards. Guided by these standards – every cabinet is electrically, mechanically and functionally tested before leaving the factory.
After the design review, the in-line inspection begins during production.

The testing includes measuring raw material, in-circuit-test on PCBs, check for cosmetic defects, applying proper torque on all hardware, testing cables, and testing sub-assemblies.

NEMA Cabinets
Next is functional testing of all equipment for the given intersection plan.

Safetran Cabinets
Next is a point-to-point electrical test of all inputs and outputs.

Final inspection confirms:

- Cleanliness of cabinet, wiring and assemblies
- Layout and wiring matches design/prints
- Documents, labels, and silkscreens are accurate and legible
- Tests of all equipment such as monitors, switches, and more
- Prints and test reports are shipped with every cabinet