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VYKON JACE Enclosures



Overview

New Enclosures for Din-Rail mounted products.

VYKON®, powered by the revolutionary Niagara^{AX} Framework®, is a suite of JavaTM-based products designed to integrate a variety of devices and protocols into a common distributed automation system. It incorporates the industry's first software technology to integrate LonWorksTM, BACnetTM, and various Internet standards in a common object model, embedded at the controller level and supported by a standard web browser interface. VYKON also includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

The JACE Enclosures are available in two sizes to meet many mounting needs for the VYKON JACE products that are DIN-rail mounted. The two sizes are 12" x 18" x 4" and 12" x 28" x 4" nominal overall. Included in each is a 24 VAC step-down transformer to provide the AC input for the JACE or one of the power supply option modules. In addition, each enclosure has permanently mounted din-rail for mounting of the JACE 2 or 6 and their associated accessory modules. Threaded studs are integrated into the back of the enclosure for attaching cable shields from field signal / sensor cables. It is also possible to mount lengths of plastic "wire duct" if desired over these threaded studs. Also available are two "half-size" backplates for mounting auxiliary devices such as relays signal conditioners, etc., where desired. A 120 volt convenience outlet is also include inside the enclosure for test equipment power.

Features

- Two sizes - 12" x 18" x 4" and 12" x 28" x 4" nominal overall
- Permanent DIN-rail for mounting of JACE and associated modules
- ½" and ¾" knockouts are provided on all sides of the enclosures to facilitate wiring from any location
- Integral threaded studs (#6 x 3/8") for attaching cable shields for noise immunity
- Optional perforated backplates for mounting auxiliary devices such as relays transducers, transmitters, etc.
- Integral "loops" on enclosure back to facilitate wire-tying cables to the enclosure for effective cable management
- Wire-duct may be mounted on the integral threaded studs if desired (wire-duct not included), Panduit 644-G1X1.5LG6-1 recommended
- Internal mounted 24 VAC, 20 VA rated transformer included in both enclosures
- A combination breaker/switch (5 Amp) is provided to allow shutting down of the connected equipment for service



- Large enclosure (12" x 28" x 4") will support the JACE-2 or 6 and up to 4 IO-16 modules plus the Power Supply module
- Small enclosure (12" x 18" x 4") will support the JACE-2 or 6 and one IO-34 module
- Integral 120 Volt AC convenience outlet is provided for powering test equipment
- Wall mounting via four "dimpled holes in the back of the enclosure eases mounting on uneven walls
- Doors are "lift-off" style to allow easy access during mounting and wiring of devices within the enclosures
- Door is provided with a 1/4 – turn locking fastener
- A locking tab is also provided to allow a lock to be added for additional security
- Incoming power is terminated to an internal screw-terminal strip to facilitate connections to the AC power source
- Incoming power can be converted to 240 Volts AC with wiring changes as noted in the installation guide for use with the NPB-PWR-UN universal power supply module; the convenience outlet would have to be deactivated if this option is taken.
- Enclosures are painted in "Tridium Blue" with a textured finish for durability
- These enclosures are NEMA 1 and UL Listed Type 1 Enclosure

Ordering Information

Part Number	Description
ENC-001	Enclosure with 24 VAC Transformer 12" x 18" x 4"
ENC-BKP-1	Optional perforated backplate with mounting hardware 8" x 11" (may be cut to size as required)
ENC-002	Enclosure with 24 VAC Transformer 12" x 28" x 4"
ENC-BKP-2	Optional perforated backplate with mounting hardware 11" x 11" (may be cut to size as required)

Specifications

ENC-001

- 12" wide X 18" high X 4" deep (nominal).
- 20 Pounds.
- Switch Breaker is rated at 5 Amps, 120 VAC.

ENC-002

- 12" wide X 28" high X 4" deep (nominal),
- 24 Pounds.
- Outlet is rated at 15 Amps (not switched by Breaker).

Agency Listings

- UL Listed Type 1
- NEMA 1 Category

