



ELECTRICAL SYSTEMS

**KRALOY**<sup>®</sup> **JBox**<sup>™</sup>

PVC Molded Junction Boxes

- 4" to 12"
- Fully Certified: NEMA, UL & CSA

# Standing Still is Not an Option.



**KRALOY® JBox™**

The Next Generation Junction Box

We're proud to introduce the **NEW Kraloy® JBox™**. The most innovative junction box to be introduced to the North American market in decades.

The frustrations are gone – no more worries about positioning a gasket or over-tightening a cover screw, and no more loose parts to misplace before installation. We've added features to make the installation of a junction box **faster and easier**; whether locating and aligning conduit entry holes, easily mounting the box to a wall or pole or installing a cover with only one hand, you will appreciate the **new design features**.

100% NONMETALLIC –NEMA RATED

## Built Tough To Last.

The **NEW Kraloy® JBox™** is ideally suited for indoor and outdoor use and made to perform in the most demanding environments. Made of PVC it is extremely durable and **resistant to impact** in a wide range of temperatures and not adversely affected by water and chemicals. Built for tough wet corrosive environments, the **NEW Kraloy® JBox™** is entirely **non-metallic**, eliminating corrosion concerns with screws and other metal parts.

The **patented** gasket and fastener system provides a reliable water-tight seal that meets the required **NEMA rating** – each and every time. The gasket was specifically formulated to be resistant to oils (NEMA 12 & 13). The cover/box design ensures a dependable seal while protecting the gasket from physical damage and external environmental forces and for submersion (NEMA 6P).

A real time-saver, the “close-by-hand – tool-assist to open” fasteners are functional and resilient as they are made of a performance grade thermoplastic polyester resin, Valox. The impact modified and UV stabilized Valox material provides exceptional **mechanical and thermal properties** along with excellent **chemical resistance**.

### NEMA Rated

1, 2, 3R, 4, 4X, 6, 6P, 12, 13

### FULLY CERTIFIED

CSA C22.2 No. 40

CSA C22.2 No. 85

UL 50 / CSA C22.2 No. 94.1

UL 50E / CSA C22.2 No. 94.2



## ■ The Easiest Box to Install.

The completely redesigned **NEW Kraloy® JBox™** has added features to make this the easiest box to use – no matter the situation.

### Zero Footprint.

The zero footprint design allows the **NEW Kraloy® JBox™** to be installed in corners and immediately adjacent to other products. This means complete and **easy access** to all mounting feet and fasteners.

### Installing Overhead.

Working over your head with loose screws and parts is one of the most challenging installation tasks but not with the **NEW Kraloy® JBox™** with its integral fasteners. Even with **just one hand**, the cover can easily be positioned and secured.



### Mounting in a Cover.

Pilot lights, control switches and other devices are easily mounted in the **NEW Kraloy® JBox™**. The cover is **free and clear** of any supporting ribs and has a uniform thickness.

### Added Security.

On sizes 6" and larger, the **NEW Kraloy® JBox™** features a **lock-out option**. When added security is necessary, the use of a tie-wrap, tamper resistant bolt or padlock will restrict access to the box.



“ Get it right – 100% of the time. ”

## Innovative Design.

### Fastener System.

The **NEW Kraloy® JBox™** features quarter-turn fasteners that are hand-close and tool-assist to open. No more loose screws to fumble with or over-tighten. Our patented fastener system is fully integrated into the design of the box, 100% non-metallic and manufactured from a **high-strength engineered polymer**. A #2 Phillips screwdriver is all you'll need to make this **the easiest box you'll ever use!**

▶ Easy close-by-hand fasteners

▶ Made from a high-strength polymer

▶ No loose screws to install

### Embossed Gridlines.

Each **NEW Kraloy® JBox™** features embossed gridlines to provide an easy reference point for the positioning of conduit connections. **No more measuring required.** By using the gridlines as a reference, you can ensure all of your conduit runs are parallel and perpendicular. And by staying inside the “drill zone”, you are ensured sufficient clearance on the inside of the box for a lock-nut or hub. This time saving feature will let you get it right – 100% of the time.

▶ Quick alignment and location of conduit entry holes

▶ Parallel and perpendicular alignment

▶ “No Drill Zone”



### Integrated Gasket.

The **NEW Kraloy® JBox™** is the first junction box to feature a fully integrated molded gasket. No more wasted time spent positioning a loose gasket into a cover or replacing a lost gasket on the jobsite. Our proprietary formulation meets a wide range of NEMA ratings – including 6P – and ensures a positive seal is maintained even at extreme temperature changes.

▶ Injection molded to the cover

▶ Creates an uninterrupted sealing surface

▶ NEMA Rated 1, 2, 3R, 4, 4X, 6, 6P, 12 and 13



## An Industry First!

The **NEW Kraloy® JBox™** is the first junction box to feature a fully integrated molded gasket.

## Flat Cover.

Until now, all junction box covers have been molded with support ribs on the inside of the cover. The innovative design of the **NEW Kraloy® JBox™** has eliminated those cross ribs offering a completely **open and flat cover**. Both the outside face and inside surface are clear and accessible for devices to be easily mounted.

- ▶ No ribs
- ▶ No engraving on cover
- ▶ Centre free of obstructions



## Molded Mounting Feet.

No more loose parts and screws to assemble. The **NEW Kraloy® JBox™** features molded mounting feet positioned at all four corners of the box. This location places the mounting feet out of the way of conduit connections and flush with the back of the box for close surface mounting. The **integrated design** offers **improved strength** and the corner position make them easily accessible to power tools.

- ▶ Molded – no loose parts
- ▶ Supported on two sides for added strength
- ▶ Located within the “footprint” of the box



## More Interior Volume.

For the first time, a junction box gives you more – more space. The **NEW Kraloy® JBox™** offers the **largest interior volume** of PVC junction boxes in the industry. Our new design allowed us to increase the wall space and remove the traditional angled corners.

- ▶ More space to install a back panel
- ▶ Simplifies conduit alignment
- ▶ Maintain bending radius for easier wire pulling



## More Options.



### Install Devices.

A first for PVC junction boxes, the **NEW Kraloy® JBox™** features self-tapping, molded standoffs in the base of the box for the mounting of **back panels** and **DIN rails**. Available on sizes 8" and larger, the standoffs are strategically placed to center mount DIN rails or install Back Panels.

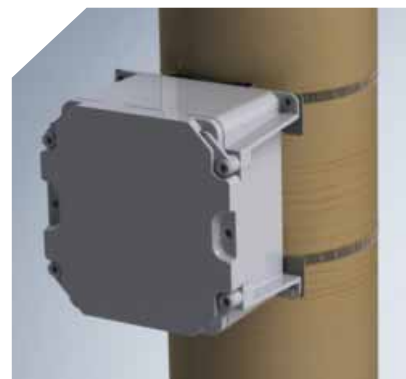
### Back Panels.

New Back Panels are available for 8" and 12" Kraloy JBoxes and offer versatile mounting options – inside the cover or in the base of the box.

- ▶ Made of 14 gauge carbon steel
- ▶ White epoxy powder-coated finish
- ▶ Easy to cut and drill to mount devices

### Pole Mounting Kit.

The Pole Mount Kit makes installing the **NEW Kraloy® JBox™** onto utility power pole a snap! Suitable for both indoor and outdoor use, the universal kit consists of galvanized steel brackets and stainless steel straps. The pole mount kit is designed to work with wooden, concrete, steel and fiberglass poles of round, square and octagonal shape up to 15" in diameter.



## Product Codes.

Size (inches)	Part Number	Product Code
4 x 4 x 2	JBX442	278300
4 x 4 x 4	JBX444	278301
5 x 5 x 2	JBX552	278302
6 x 3 x 4	JBX634	278303
6 x 6 x 4	JBX664	278304
6 x 6 x 6	JBX666	278305
8 x 8 x 4	JBX884	278306
8 x 8 x 7	JBX887	278307
12 x 12 x 4	JBX12124	278308
12 x 12 x 6	JBX12126	278309
12 x 12 x 8	JBX12128	278310

Description	Part Number	Product Code
Pole Mount Kit	PMK4-12	077940
Back Panel for 8" x 8"	BP88CSW	077861
Back Panel for 12" x 12"	BP1212CSW	077865

**We're Here to Help!**

For 3D animations and installation videos, visit [www.kraloyinnovation.com](http://www.kraloyinnovation.com)

## ■ Performance Ratings

### Maximum Temperature Range

Maximum ambient temperatures to 122°F (50°C) as per the NEC

### Recommended Operating Temperature

-40°F to 122°F (-40°C to 50°C)

### UV and Water Exposure Rating

UL 746C approved for exposure to UV and water

### Flame & Smoke Rating

UL 94V-0 (UL94 Vertical Flame Test)

### NEMA Enclosure Ratings

The Kraloy JBox is NEMA Rated 1, 2, 3R, 4, 4X, 6, 6P, 12, 13

### Industrial Control Panels UL 508A

Suitable to be used as an enclosure per section 18 of UL 508A



TYPE	DESCRIPTION
1	Indoor use primarily to provide protection against contact with the enclosed equipment and against a limited amount of falling dirt.
2	Indoor use to provide a degree of protection against limited amounts of falling water and dirt.
3R	Indoor or outdoor use providing protection from contact with the enclosed equipment, ingress of solid objects (falling dirt) and from harmful effects on equipment due to ingress of water (rain, sleet, snow) and is undamaged by the external formation of ice.
4	Either indoor or outdoor use to provide a degree of protection against falling rain, splashing water, and hose-directed water; undamaged by the formation of ice on the enclosure.
4X	Either indoor or outdoor use to provide a degree of protection against falling rain, splashing water, and hose-directed water; undamaged by the formation of ice on the enclosure; resists corrosion.
6	Indoor or outdoor use providing protection from contact with the enclosed equipment, ingress of solid objects (falling dirt) and from harmful effects on equipment due to ingress of water (hose directed water and entry of water on occasional temporary submersion at a limited depth) and is undamaged by the external formation of ice.
6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and be undamaged by the formation of ice on the enclosure.
12	Indoor use to provide a degree of protection against dust, dirt, fiber flyings, dripping water, and external condensation of noncorrosive liquids.
13	Indoor use to provide a degree of protection and spraying of water, oil, and noncorrosive liquids

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The Next Generation Junction Box

## CUSTOMER SERVICE CENTER

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Kraloy has been an industry leader for over 40 years supplying the electrical trade with a comprehensive offering of nonmetallic PVC fittings. Kraloy offers adapters, couplings, elbows, access fittings, boxes, cover plates, expansion fittings and spacers – virtually any fitting required to complete the PVC conduit system.

Check out the full Kraloy product offering on our web site [www.kraloyfittings.com](http://www.kraloyfittings.com) or contact us directly for information.

Only when you specify Kraloy by name are you guaranteed The Fitting Choice.

Kraloy is proud to offer these quality brands.

**INEXO**<sup>®</sup>  
THE ICF BOX

**KWIKON**<sup>®</sup>  
CONDUIT & FITTINGS

**Sceptacon**<sup>™</sup>  
Trenchless Raceways Systems

**KWIKFLEX**<sup>®</sup>  
LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT & FITTINGS

**Sceptalight**<sup>™</sup>  
Nonmetallic Light Fixtures

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