

# Electrical Installation Accessories

## Thru-Dex PX Series Junction Boxes

- Waterproof junction box with terminal strip for electronic connections in areas subject to spray, washdowns, etc.
- Rugged, non-corrosive polypropylene housing
- "Universal" cut-to-fit cable entries, diameter range: .14 -.81"
- Brass compression screw terminals
- Wire gauge: 16 AWG

Model	Terminals
PX-1	6 pair
PX-2	12 pair
PX-3	18 pair



## Thru-Dex BX Series Junction Boxes

- Splash proof junction box with terminal strip
- Rugged cast aluminum box and cover with enamel finish
- Multiple rubber grommet cable entries
- Brass compression screw terminals

Model	Terminals	Wire Gauge
BX-1	6 pair	16 AWG
BX-2	12 pair	16 AWG
BX-3	22 pair	14 AWG



## CCX Series Feed-Through Fittings

- Create a 100% waterproof seal when routing cables through communication huts, cabinets, etc.
- Allow installation/removal with connector still attached
- Rugged weatherproof nylon with neoprene seal
- Entry hole predrilled

Model	Cable Dia. Range	Max Conn. Dia.
CCX-R	.47"-.59"	1.57"
CCX-S	.35"-.55"	.83"
CCX-T	.18"-.35"	.83"



## DX Series Feed-Through Fittings

- Similar to CCX Series except installer drills holes in seal to accommodate cable(s)
- Multiple cables may be routed through a single fitting

Connector Model	Drill-Thru Aperture	Max Diameter
DX-2	1.2"	1.2"
DX-3	1.65"	1.65"
DX-5*	2.0"	2.0"

\*Aluminum Housing



## Bus Bars

- Heavy duty 500 amp nickel-plated copper bus with 5/16" studs on insulating base (reinforced nylon resin) with clear protective cover
- BB-5: 5 studs \* BB-8: 8 studs
- BBA-800 - rackmount see page 15
- BB-2: 2 studs \* BB-2/8: 2 studs plus 8 x # 8 screws



## Connector Strips

- Molded nylon strips with 12 pair brass compression screw terminals
- May be cut to suit installation
- CS-1: 16 AWG wire, 6 amps max
- CS-2: 14 AWG wire, 10 amps max



## Terminal Strips

- Nickel-plated brass strips on insulating base
- # 8 screw terminals; rated to 100 amps
- Order with or without insulating cover
- TS-2x4: 8 terminals
- TS-2x8; 16 terminals



## Emergency Relay/Charger - ERC

The E.R.C. allows emergency battery tie-in to a radio system that is normally operated by a power supply.

Under normal conditions the radio is connected through the ERC to the power supply and the back-up battery receives only a trickle charge to keep it in peak condition.

In the event of AC power failure a relay automatically connects the radio to the back-up battery, restoring the system within one second. When AC power is restored the radio is automatically reconnected to the power supply and the trickle charge resumes to the battery. Available in 12 or 24 VDC, 15 or 35 Amp ratings, (not ignition protected.)



### Application notes:

- 1 sec. switch over delay may not be suitable for data transceivers. Instead, use a system where the battery is floated on output of power supply - see Power-Pac (pg 22) or IPS (pg 7) or APS (pg 23).
- Trickle charge current will maintain a back-up battery but will not restore a deeply dis-charged battery. A separate high current charging source is required.

### Typical Trickle Charge Current:

1.5 amps - will vary depending on power supply voltage and battery condition.

### Optimal Power Supply Voltage:

- 12 volt systems: 13.4 - 14.0 VDC
- 24 volt systems: 26.8 - 28.0 VDC

ERC Model	Amps		Size-inches			Weight	
	Int.	Cont.	H	W	D	Lbs	Kg
12-15	15	10	2.25	2.875	4	1	.5
24-15	15	10	2.25	2.875	4	1	.5
12-35	35	30	3.875	2.875	4	2	.9
24-35*	35	30	3.875	2.875	4	2	.9

\*Built to order



Powering the Network