

Maintenance & Operating Instructions

For Dixon Bayco FT7500 SERIES JUNCTION BOXES



The Right Connection®

dixonvalve.com

Product Overview

FT7500 series junction boxes are designed to provide a convenient, safe, and protected point of service for rack cord accessories. When installed correctly, the junction box will protect rack cords from excessive wear and tear, and cord connections from water and corrosion while in harsh environments.

Features

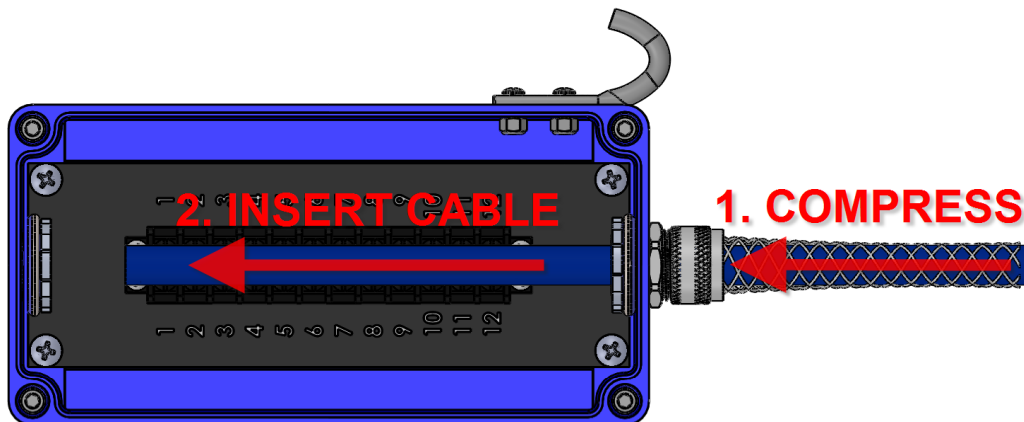
- Water-tight construction helps prevent condensation and moisture from causing corrosion on the with rack connections.
- Twelve position terminal block for quick replacement of various cord types including optic, thermistor, ground, and deadman cables.
- Large internal volume allows ample room for wiring and easy installation.
- Mesh cord grip reduces cable strain and prevent cable pull-out.
- Integrated cord hook holds the cable while not in use.

Technical Specifications

Weight: 4.5LBs [2Kg]	Size: 9.5"[24cm]L x 4.6"[12cm]W x 4.0"[10cm]D
Positions: 12	Accepted Cable Diameter range: 0.500"-0.625" (1.27cm-1.59cm)

RACK CORD INSTALLATION

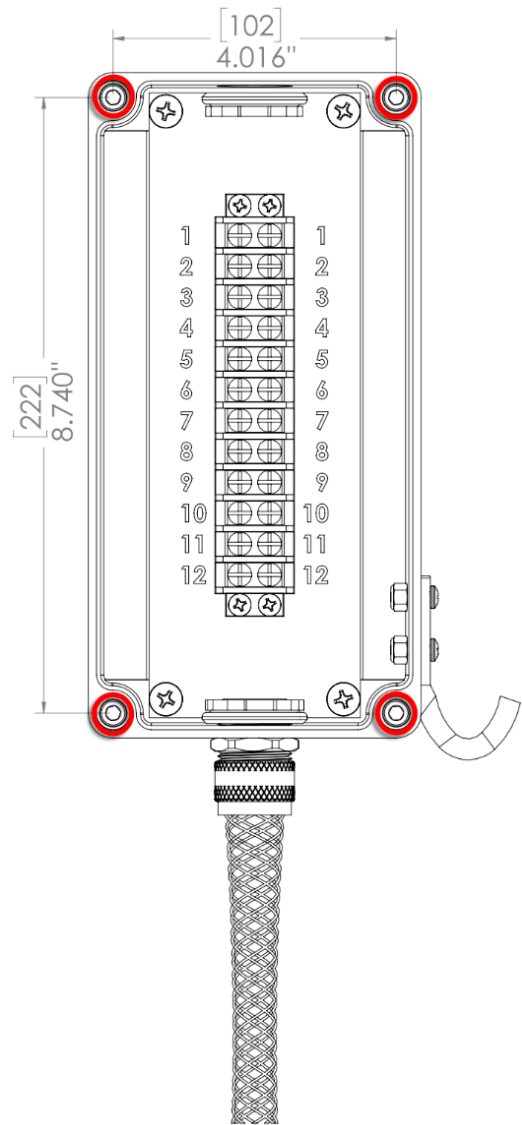
1. Compress the mesh cord grip then insert the cable into a rack cord into it.



2. Release the mesh then tighten the fitting to prevent cable twisting and pullout.
3. Strip cable jacket, being careful not to nick internal conductors as this may shorten the working life of the cable.
4. Terminate wires with crimp spade terminals.
5. Connect wire spades to terminal block, following wiring order specified by rack monitor and rack cord.

Junction Box Installation

- Using the bolt pattern provided to the right, locate a sturdy area large enough to install the junction box. Consider the proximity to the incoming trailers as rack cords are generally 20-30FT in length. The box should be easily accessible to return the cable to the integrated hook when not in use. The junction box is water resistant, but will last longer when protected from the elements. The included carriage bolts are suitable for mounting the box to a plate no thicker than 0.6". Mounting the box to a wall is possible but will require customer supplied anchors or lag bolts. Conduit from the rack monitor must enter the top of the junction box.
- Level the bolt pattern and drill four holes marked on the pattern.
- Remove the lid from the junction box by unscrewing the four corner screws.
- Mount the junction box using either the supplied carriage bolts and nuts, or customer supplied lag bolts with anchors.
- Run conduit between the rack monitor and the top of the junction box, including a conduit sealing joint near the rack monitor if required by local regulations. A sealing joint ensures that safety critical wiring is unmodified during service at the junction box.
- Install wiring from rack monitor I.S. output connections, through conduit, into the junction box. Once the wiring is verified, seal the conductors by filling the conduit sealing joint with approved sealing compound.
- Rack monitor connections should come in from the top of the junction box, then connect to the left side of the terminal block. Wire color codes are different between manufacturers, so refer to the rack monitor and rack cord instructions for correct wiring order.



For Sales and Service Contact

Europe:
Dixon Group Europe Ltd.
Preston, England
Phone: +44 (0) 1772 323529
Fax: +44 (0) 1772 314664
Email: enquiries@dixoneurope.co.uk

Mexico:
Dixva, S. de R.L. de C.V.
Monterrey, N.L.
Phone: 01-800-00-DIXON (34966)
Fax: 01-81-8354-8197
E-mail: contactenos@dixonvalve.com.mx

Canada:
Dixon Group Canada Limited
Innisfil (Barrie), Ontario
Phone: 705-436-1125
Fax: 705-436-6251
Toll Free: 877-963-4966
E-mail: isales@dixongroupcanada.com

Asia Pacific:
Dixon (Asia Pacific) Pty Ltd Wingfield,
South Australia
Phone: +61 8 8202 6000
Fax: +61 8 8202 6099
E-mail: enquiries@dixonvalve.com.au

USA:
Dixon Bayco USA
Chestertown, Maryland
Phone: 410-778-2000
Fax: 410-778-4702
Toll Free: 800-355-1991
E-mail: dixonbayco@dixonvalve.com



The Right Connection®

dixonvalve.com