



CMCP315 Series Triaxial Accelerometer Switchable BNC Junction Box

Features:



- Available for 2 to 16 Triaxial Accelerometer Inputs
- 3 BNC Outputs (X, Y and Z)
- Optional Quick Connect Output
- IP66, NEMA 4/4X Rated Enclosures
- Fiberglass, Painted Steel or Stainless Steel Enclosures
- Heavy Duty Terminal Strips
- Quick Release Door Latches
- Top Plate Safety Cover
- Optional IP68 Breakthrough Cord Grips

Product Overview

The CMCP315 Series Triaxial Accelerometer Switchable BNC Junction Boxes are multiple channel connection centers designed for terminating the outputs of triaxial accelerometers while allowing simultaneous data collection. They are normally located in a close proximity to a machine to reduce wiring costs as well as to provide a convenient and safe location to access sensor signals. The CMCP315 Series BNC Boxes are circuit board based with a removable front cover plate to ease installation. The cover plate hides all internal wiring to limit exposure for increased protection.

Electrical Specifications:

Input

Connection: Screw Terminals, 22-14 AWG
 Termination: Bare Wire or Spade Lugs (#6 Screw Size)
 Isolation: Electrically Isolated

Output

Connection: Three 50Ω BNC Jack (Female) Marked X, Y and Z
 Switch: 1 Switch Per 4 Triaxial Sensor (16 Triax Input Provided with 4 Switches)
 Switch Type: 3 Pole Make Before Break

Optional IEPE Power (Not Required for General Use)

Power Input: 24VDC
 Current: Built-in 4.4mA Constant Current Diode

Environmental Specifications:

Material:
 FG Option Compression Molded Fiberglass
 PS Option 14 AWG Mild Steel Polyester Powder Coated
 SS Option 14 AWG 304 Stainless Steels

NEMA Rating:
 FG and SS NEMA 4, 4X, 12 and 13
 PS NEMA 4, 12 and 13

IP Rating: IP66

Temperature Range: -55 to +85°C (-67 to 185°F)

Door Closure: Quick Release or Quarter Turn Latch with Wing Knob

Optional Cord Grips:
 Material: Nylon / Zinc Plated Steel
 IP Rating: IP68
 Cable Diameter: 0.17"-0.22" Cable Diameter
 Location: Enclosure Bottom

Mechanical Specifications:

2-4 Triax Inputs (6-12 Individual Channels):	8"x6"x4"
5-8 Triax Inputs (12-24 Individual Channels):	12"x10"x8"
9-16 Triax Inputs (25-48 Individual Channels):	16"x14"x10"

Ordering Guide

CMCP315	-XX	-XX	-XX	-XX	Description
	-FG				NEMA 4X Fiberglass Enclosure
	-PS				NEMA 4 Painted Steel Enclosure
	-SS				NEMA 4X Stainless Steel Enclosure
		-02			2 Triaxial Sensor Inputs
		-04			4 Triaxial Sensor Inputs
		-06			6 Triaxial Sensor Inputs
		-08			8 Triaxial Sensor Inputs
		-12			12 Triaxial Sensor Inputs
		-16			16 Triaxial Sensor Inputs
			-NE		No Cable Entries
			-CG		Cord Grips Installed
				-00	3x BNC Output Only, No Quick Access Port
				-CSI	BNC's and Quick Access Port for Emerson/CSI 2130/2140

Example Part Number

CMCP315FG-04-01-CG-CSI
 4 Triaxial Sensor Input Switchable BNC Junction Box (12 Channels Total)
 Internal Connections (Installed Behind Door)
 Cord Grips Installed In Bottom for 4 Sensors
 3 BNC Connector Outputs Marked X, Y, Z
 Quick Access Port for CSI 213/2140

Images:



-CG Option
 Breakthrough Liquid Tight
 Cord Grip (IP68)



-SS
 Stainless Steel NEMA 4X
 Enclosure



-PS
 Painted Steel NEMA 4
 Enclosure