

Description

The function of the DSJ4 Junction Box is to enable the easy connection of up to 4 Load Cells and 4 DSC Cards to a multi-dropped digital communications bus.

Designed to take up to four DSC Card in a single enclosure, the DSJ4 offers a convenient and practical solution to the installation of digital load cells with platforms, silos and any weighing systems where connection to PC and PLC's is an essential requirement of the system.

Up to 32 DSJ4s can be connected to 1 digital bus.

Supplied as an OEM device on a single 164 x 100mm PCB, it has options for fitting in an IP65 ABS Case, or to a DIN rail fixture.

The communications output connection is RS485 or CAN, please note that RS232 is NOT available with this unit. (Refer to DSJ1).

DSJ4 Four Channel DSC Docking Station



Features

- LED Power Indicator
- Option to terminate bus through 120 ohm resistor
- Bus Connections for communication and Power Supply
- Bus Connection via 2 Part screw connectors
- 'Daisy Chain' Bus through D type connectors
- 2 Part Connectors for Load Cells
- CAN Compliant

Typical Applications

- Vessel Weighing
- Cable tension measurement
- Conveyor weighing
- Force transfer standard interface

Four Channel DSC Docking Station

Specification

Connections	4 x 8 way 2 part terminals for Load Cell Connections (2.5mm ² cable max) 1 x 5 way 2 part terminals for Digital Data & Power (2.5mm ² cable max) 2 x 9 way D type connectors for Digital Data & Power
Cable Length	Maximum length from DSJ4 to Load Cell 3 metres Maximum length of Digital Data, 1000 metres
Environmental	Sealed to IP65 with cable entries via IP67 glands supplied fitted

Options

	Supply of OEM Card (100 x 165mm) PCB only excluding case
Case alternatives:	Die Cast Case 220 x 120 x 80mm (LDC), Aluminium or Stainless Steel Case 200 x 160 x 85mm sealed to IP65 DIN Rail Mount.

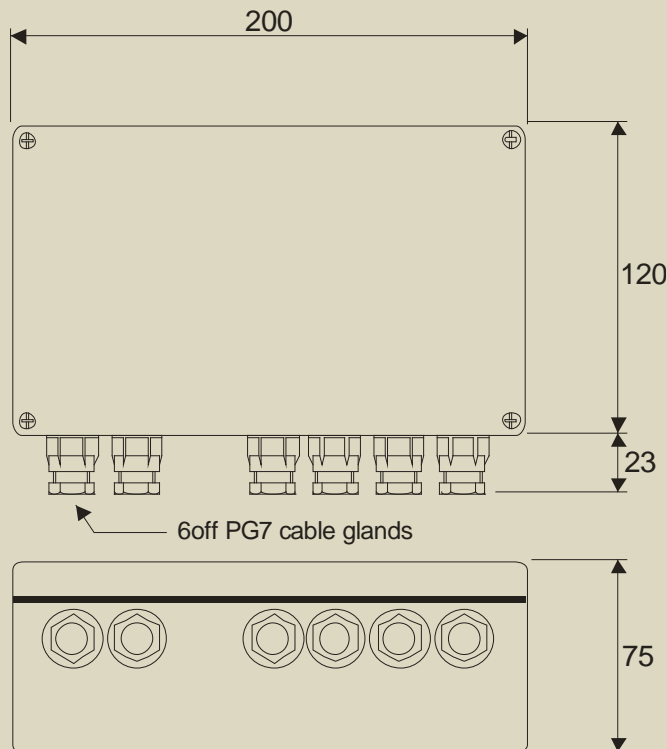
Physical	Case Dimensions	120 x 200 x 75mm
	Case	ABS
	PCB only	100 x 165 x 25mm high

CE & Environmental

Storage temperature	-40 to +85°C
Operating temperature	-40 to +85°C
Relative humidity	95% maximum non condensing
Safety/Low Voltage Directive	73/23/EEC amended by 93/68/EEC BS EN 61010-1:2001, IEC 1010-1-1990
EMC Directive	89/336/EEC Basic Standard BS EN 61326:1998
EMC Emissions	BS EN 55011:1998
EMC Immunity	BS EN 61000-4-2:1995 BS EN 61000-4-3:2002 BS EN 61000-4-4:2004 BS EN 61000-4-11:2004

Mechanical Dimensions

All dimensions in millimeters



Product Order Codes

Product Description Order code

DSJ4 PCB (PCB only)	DSJ4
IP65 ABS Grey Case	LAB
Stainless Steel Case 220 x 160 x 90mm	LSS
Die Cast Case 220 x 120 80mm	LDC
DIN Rail Mounting Fixture	D2

Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

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Unit 15, Newport Business Park
Barry Way, Newport, Isle of Wight, PO30 5GY
United Kingdom
Tel: +44 (0) 1983 249264
Fax: +44 (0) 1983 249266
Email: sales@lcmsystems.com

LCM
SYSTEMS

www.lcmsystems.com

TYPE: DSJ4