



Strain Gauge or Load Cell Digitiser Module (4 Channel)

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
- 3 year guarantee
- Supplied as OEM PCB, options fitting in an IP65 ABS case or to a DIN rail fixture



Photo showing DSJ4 with 4 x DSC pcb cards fitted

Introduction

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

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

The board can be supplied in a IP65, ABS sealed enclosure or as an OEM PCB measuring 100 x 185mm

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

*The DSJ4 does not include the required DSC cards. Please refer to the DSC product Sheet for available options.

Specifications

PCB	100 x 185mm
Option to fit into an IP65 ABS Case	
Connection	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
Dimensions of ABS case	200 x 120 x 75mm excluding glands
Environmental of ABS case	Sealed to IP65 with cable entries via IP67 glands supplied fitted
Enclosure Material	ABS

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, or a DIN Rail Mount

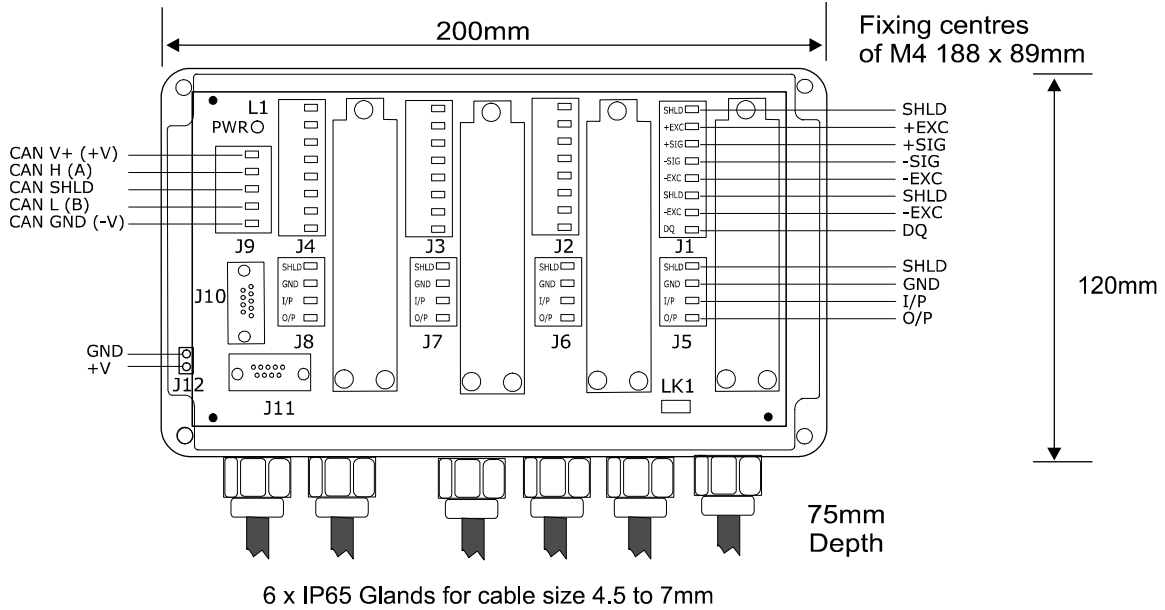
Product Order Codes

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

CE & Environmental

Storage temperature	-20 to +70°C	European EMC Directive	2004/108/EC
Operating temperature	-10 to 50°C	Low Voltage Directive	2006/95/EC
Relative humidity	95% maximum non condensing		

Mechanical dimensions inside optional case



CE In the interest of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice.

