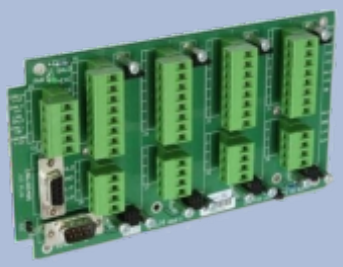
TYPE: DSJ4

A United Kingdom company

DSJ4 Four Channel DSC Docking Station



Features

- High performance at low cost
- Fast (up to 500 updates per second)
- LED power indicator
- Option to terminate bus through 120ohm 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
- Multi point linerization

Typical Applications

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

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 cards in a single enclosure, the DSJ4 offers a convenient and practical solution to the installation of digital load cells within platforms, silos and other weighing systems where connection to PC and PLC's is required.

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, ASCII, Modbus or MantraCAN (J1939). Please note that RS232 is NOT available with this unit (refer to DSJ1).

Please note that the DSJ4 is a printed circuit board complete with the connectors but DOES NOT include the DSC digitiser modules. Therefore, when selecting the product, be sure to also select the appropriate type and quantity of DSC modules.

Specification

Connections	4 x 8 way 2 part terminals for load cell connections (2.5mm² cable max) 1 x 5 way 2 part terminals for digital data and power (2.5mm² cable max) 2 x 9 way D type connectors for digital data & power
Cable length	Maximum length from DSJ4 to load cell is 3 metres Maximum length of digital data is 1000 metres
Environmental sealing	Sealed to IP65 with cable entries via IP67 glands supplied fitted
Supply voltage	5.8 to 18V DC
Power	0.5 to 1.5 Watts
Operating temperature range	-20 to +70˚C
Storage temperature range	-10 to +50˚C
Relative humidity	95% maximum non condensing
European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC

Available Options

- PCB mount board for 4 DSC's **(DSJ4)**
- Transparent plastic case lid **(LTL)**
- IP65 die cast case 200 x 120 x 80mm **(LDC)**
- IP65 stainless steel case 220 x 160 x 90mm **(LSS)**
- IP65 ABS grey case **(LAB)**
- Case and DIN rail mounting for DSJ4 **(D3)**

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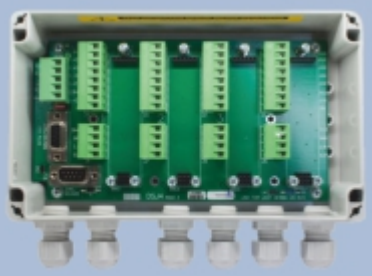
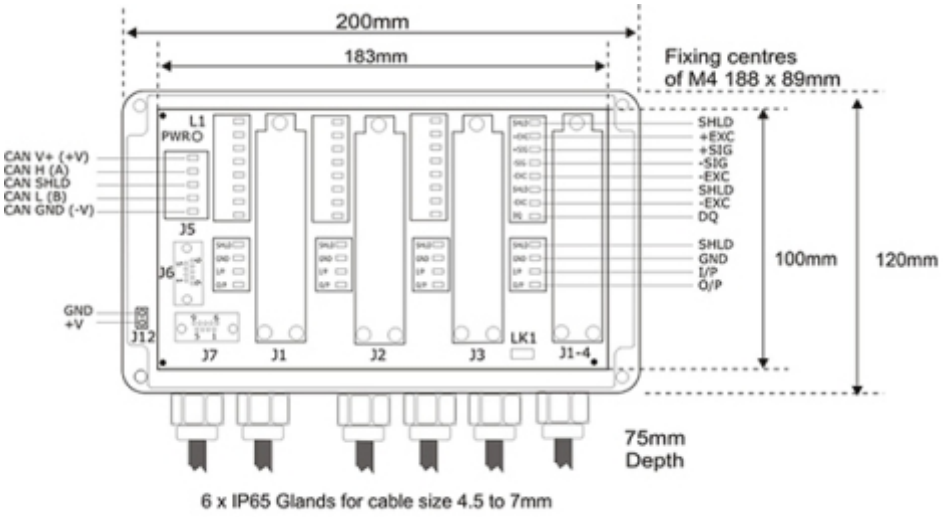


Dimensions



6 x IP65 Glands for cable size 4.5 to 7mm

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