

DC01

Quick Install Guide



Caution - risk of electric shock



Please read this guide before installing the equipment

Important: All installation and maintenance work must be by suitably qualified personnel only. All wiring must be carried out in accordance with latest NEC, CEC or IEC requirements and local regulations

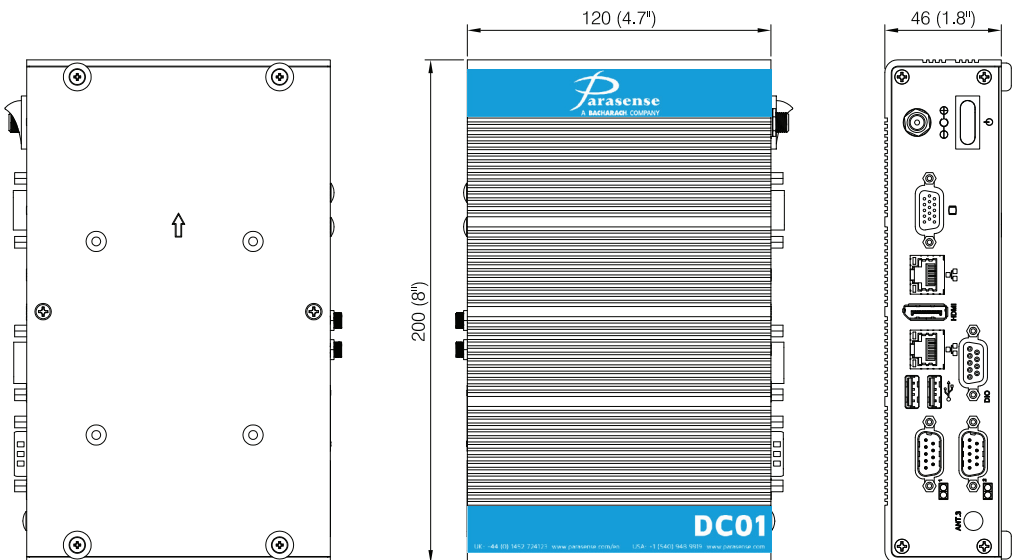
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Please also refer to the user manual for full installation details.

Doc Ref. QSDC01 Rev2 20th March 2020

Revision	Details	Checked
draft3: 4th April 18	Product name changed to DC01	JB
1-0: 5th April 18	First release	JB
Rev2	Address change	MC

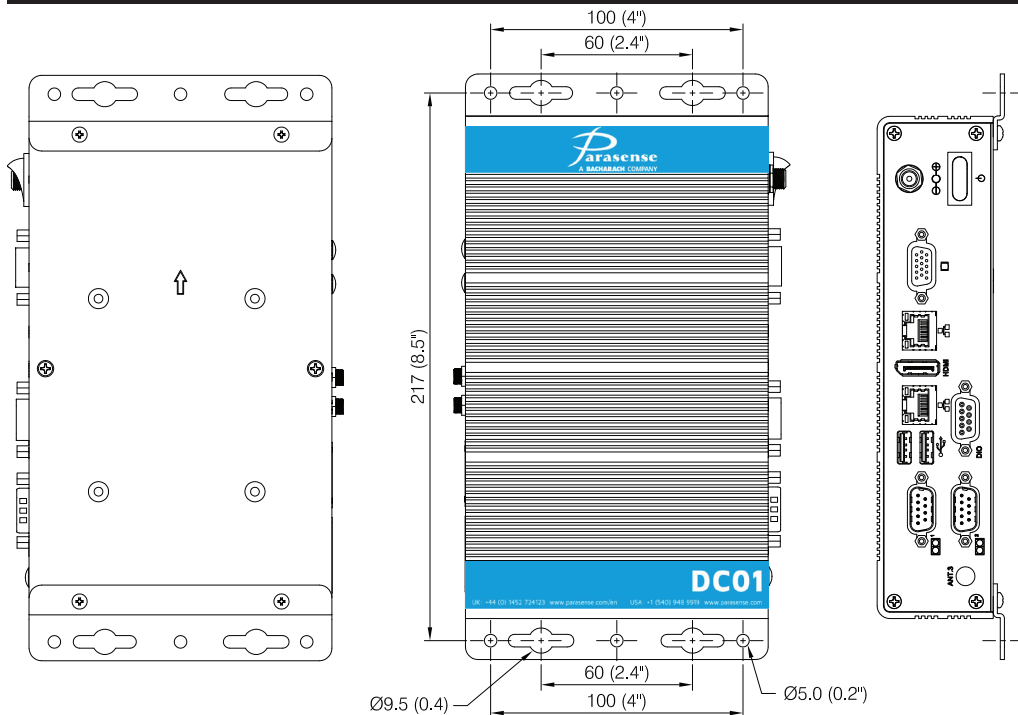
Dimensions



Fitting Guide

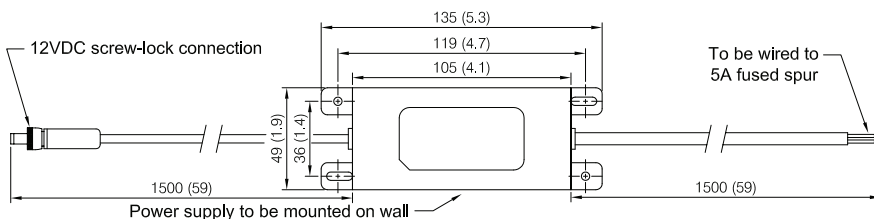
1. The DC01 must be mounted to a solid surface or structure capable of supporting its weight of 1.1kg (2.4lb).
2. Two fixing brackets are supplied with the monitor, along with fixing screws. Remove the rubber feet from the base of the DC01 and replace with the fixing brackets as shown in the mounting diagrams below.
3. Wall fixings must be suitable for the structure the DC01 is being attached to and capable of supporting the stated weight.
4. The DC01 must be installed in the orientation shown in the mounting diagram below, with the arrow on the underside facing upwards.

Mounting Diagram



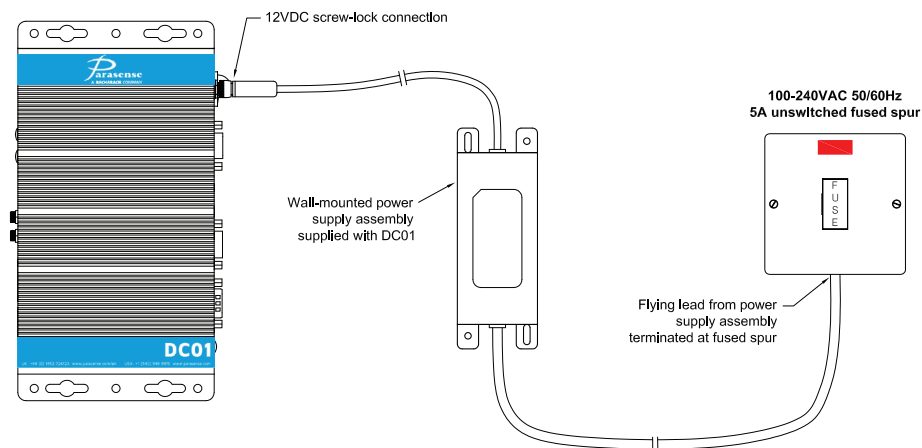
Electrical Requirements

The DC01 requires a 5A single phase mains supply in the range 100-240V AC protected by a fuse or circuit breaker. It is supplied with a PSU assembly as shown below. It's total length is 3.1m (122'')



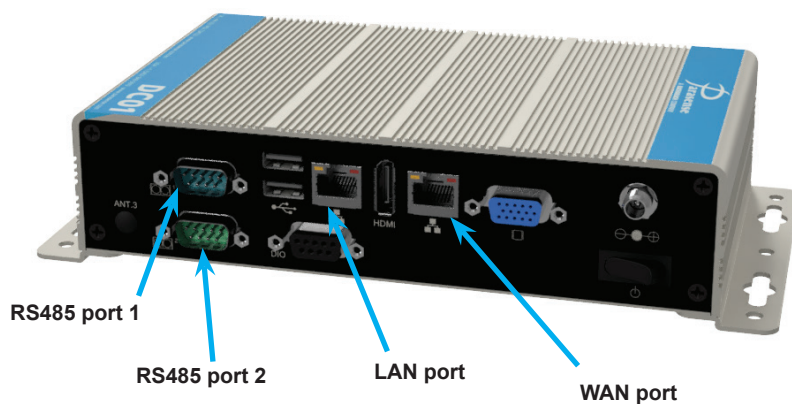
Electrical Requirements (continued)

The DC01 must be positioned sufficiently close to the mains supply that the PSU assembly can be correctly and safely installed. The layout should be as follows:



Communications Connections

The DC01 makes use of two Ethernet ports and two RS485 ports as shown below:



RS485 Cable Specifications

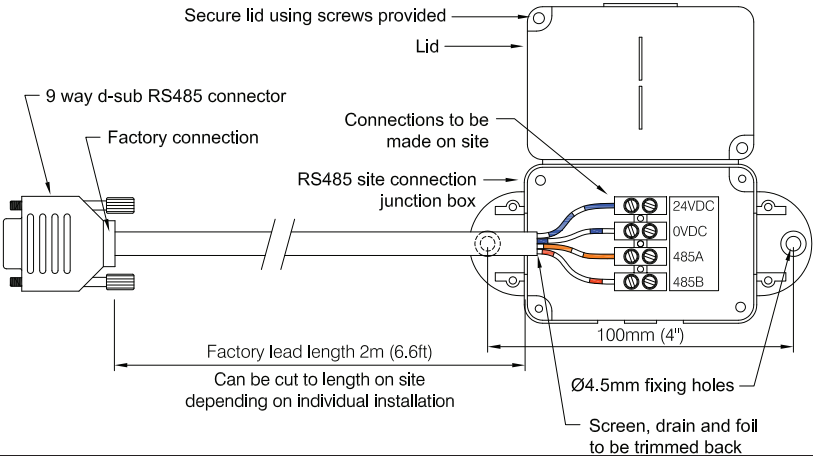
The following cables are approved for the site RS485 cabling installation. Options 1 and 2 are preferable:

1. **Signal/Power** - Lapp Kabel Unitronic Li2YCY 0031320
2. **Signal/Power** - FS Cable 2402POHPH
3. **Signal** - Belden 1588A **Power** - Belden 8461

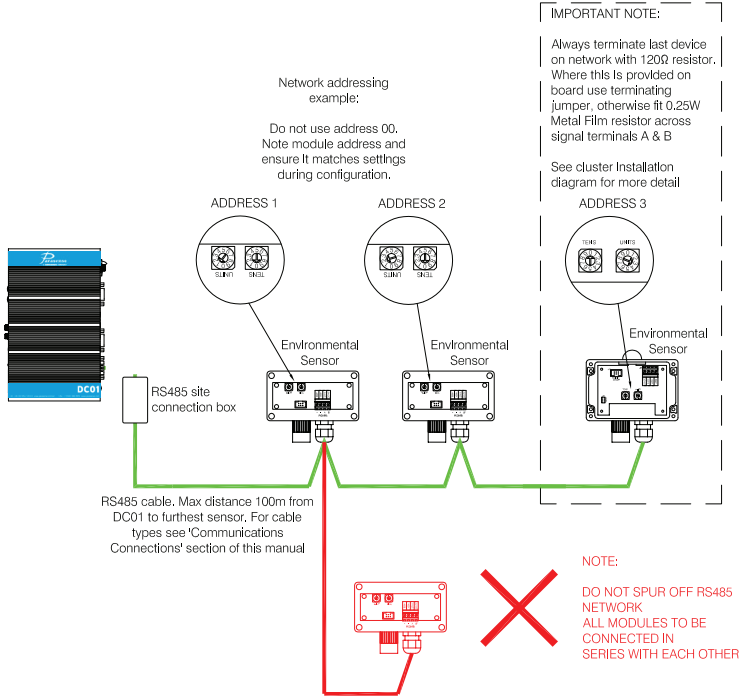
The maximum distance from each RS485 port of the DC01 to the furthest RS485 module is 100 metres (328 feet)

RS485 Site Connection Box

The DC01 can be supplied with up to two RS485 wiring looms and site connection boxes to facilitate site connections. See below diagram:



Cluster Point Networking



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