



Input Connector Wiring for HiBeam HB200 Load Display



Overview

The HiBeam Load Display can be configured to accept load information from a wide variety of signals.

- DCell: for SoleDigital digital load cells
- mV: for 4 wire strain gauge sensors
- mA: for 2 wire 4-20mA outputs from load displays or line drivers
- V: for 0-10V signals from line drivers, Konecranes control pro's, SWF Novamasters etc...
- Q-Link: for ABUS LIS systems
- F-Link: for ABUS LIS or other frequency sources
- RS232 for serial input devices
- CANBus
- DataPro-45

If the input type is specified at the time of ordering, then a prewired cable assembly will be supplied with the display. If no input type is specified, then an unsoldered plug will be provided and you will need to solder the wires that will be connected to the load signal source on the crane.

For a tutorial video on how to install your Hi-Beam please click here >>



<https://youtu.be/eNtEGK97kRQ>



Notes On Wire And Connections

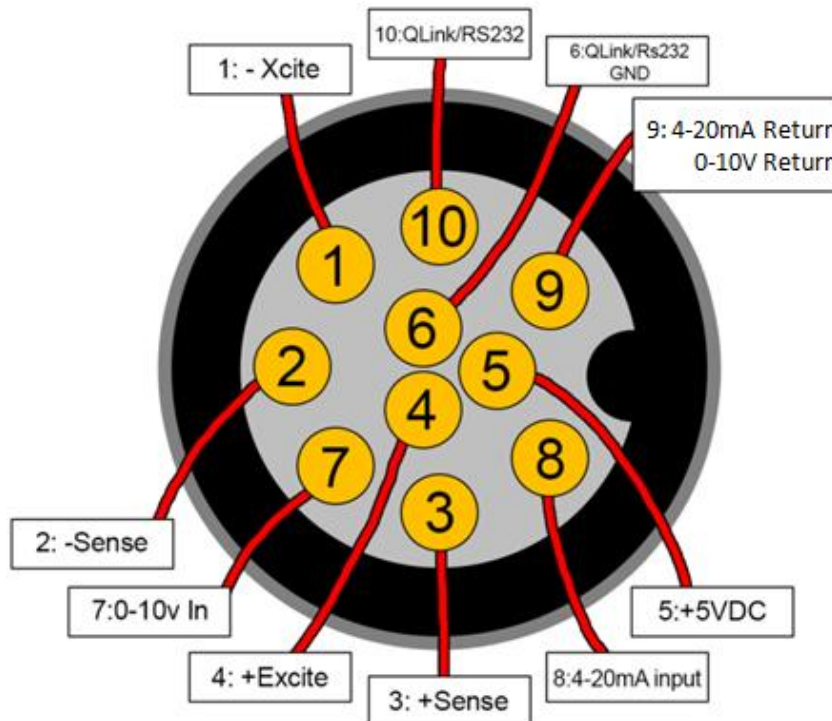
It's important to use only fine (20AWG or finer) wire when making connections to the solder terminals on the connector. Using larger wire will almost inevitably result in shorts or broken joints. Remember that the display is on a crane which is shaking the whole time it is in use.

We recommend that you apply some 3mm heatshrink over each connection to provide strain relief and to prevent unsoldered whiskers of wire from creating shorts.



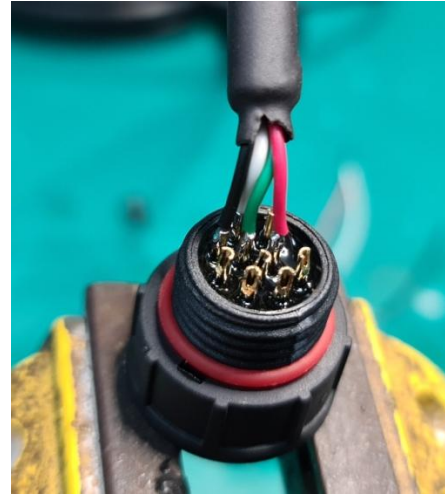
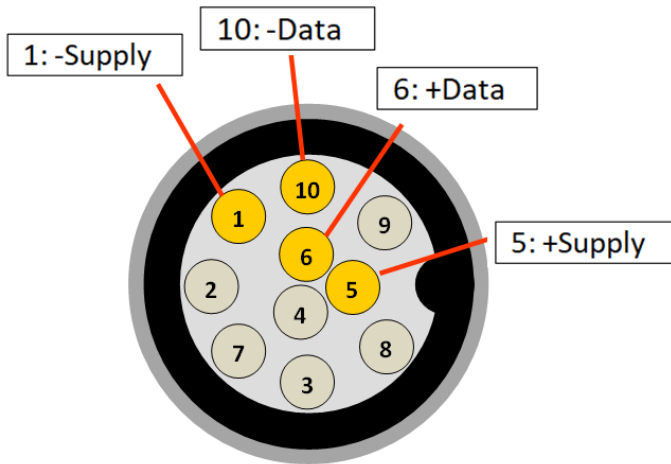
Connecting Load Sensor Inputs

If no load source is specified at time of ordering, your device will be provided with a 10 pin female line socket to suit the male plug on the device.

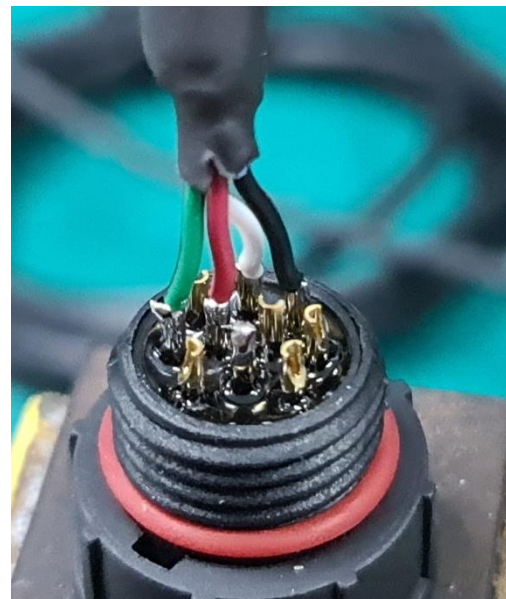
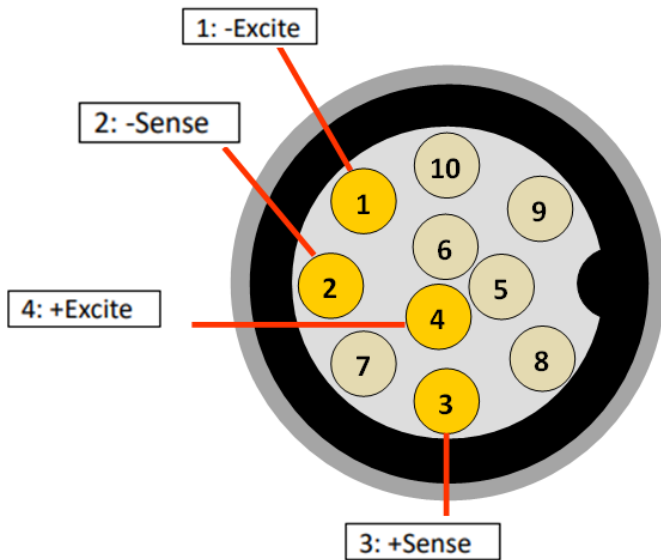




DCell Input Connections

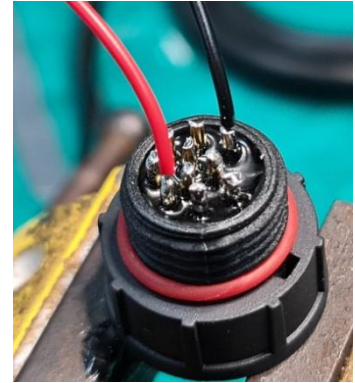
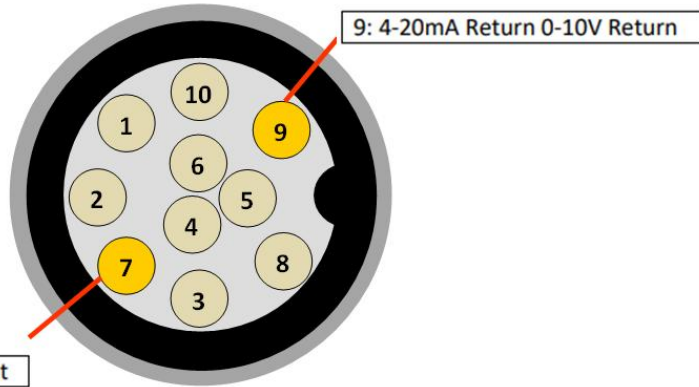


Strain Gauge Input Connections

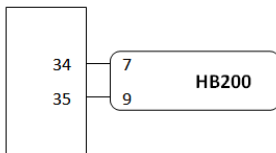




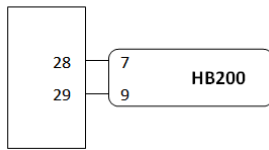
0-10V (Control Pro/NovaMaster) Input Connections



Control Pro | Novamaster



Omni Control



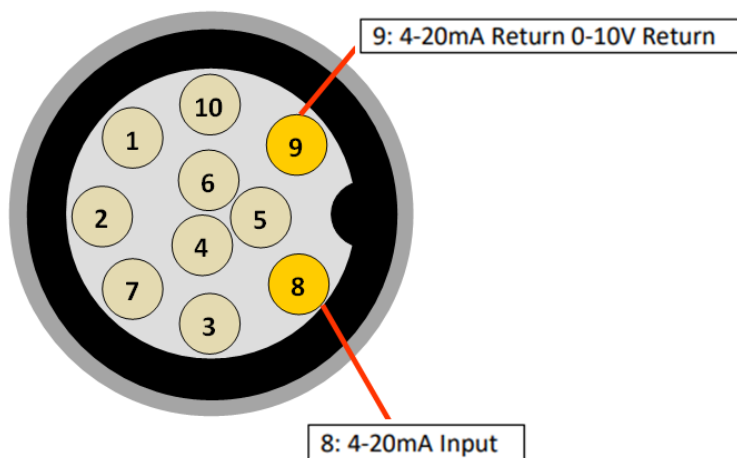
Nb, it's important to ensure the ControlPro | Novamaster parameters are set to:

- 4.6.1 is set to Solo
- 4.6.2 is set to 2.00V
- 4.6.3 is set to 8.00V

Nb, it's important to ensure the Omni Control parameters are set to:

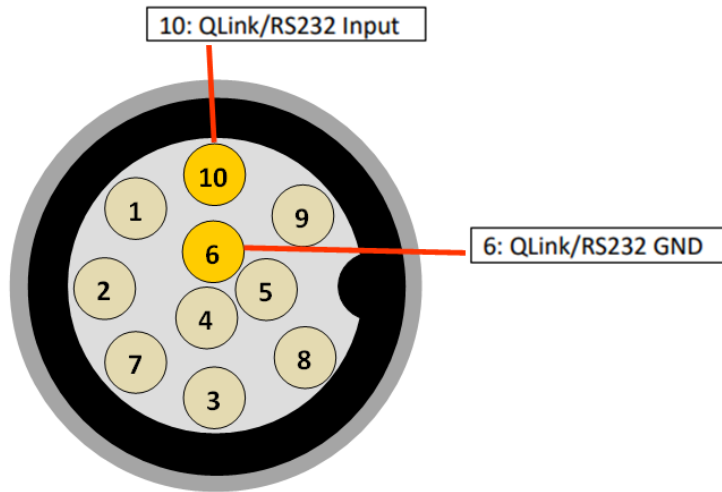
- 6.7.1 is set to Solo
- 6.7.2 is set to 2.00V
- 6.7.3 is set to 8.00V

4-20mA Input connections

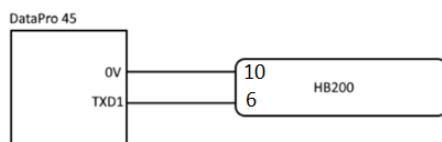
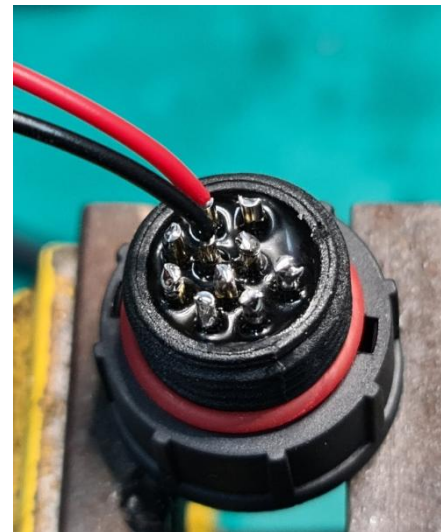
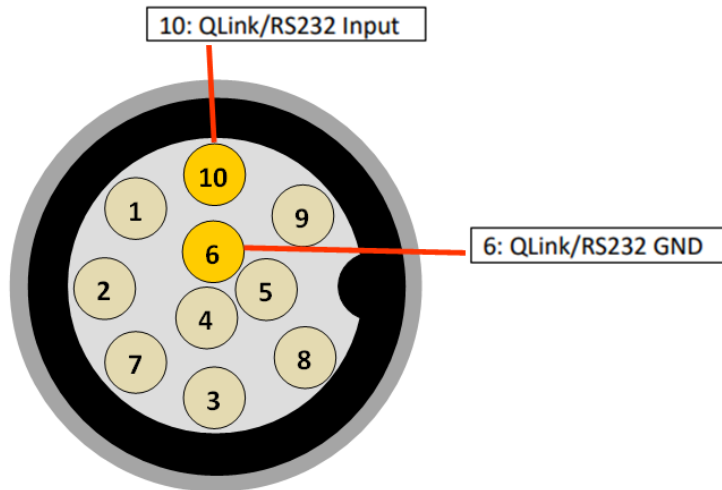




ABUS Q-Link or F1 Input Connections

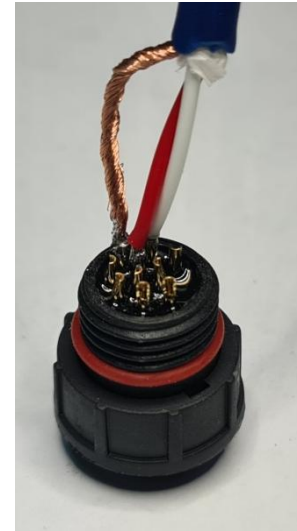
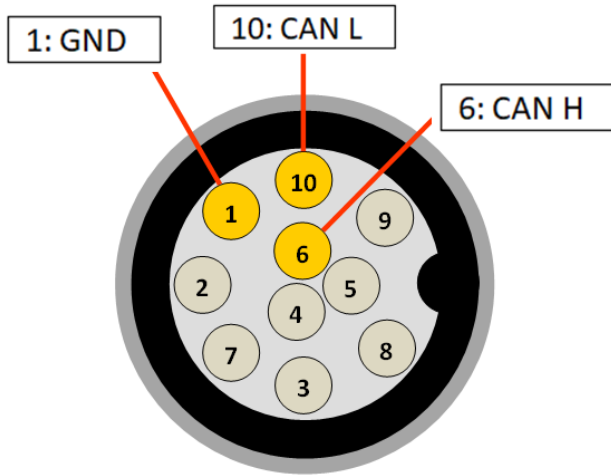


DataPro-45 Input Connections





CANBus



RS232

