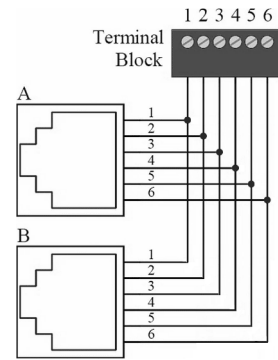
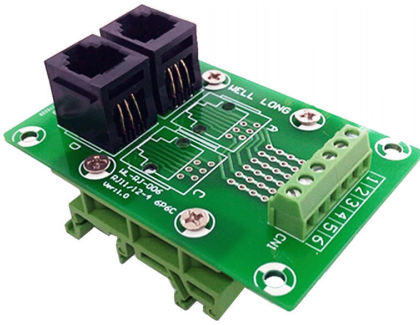


# Model BKBD RS485 Breakout Board



## Product Description

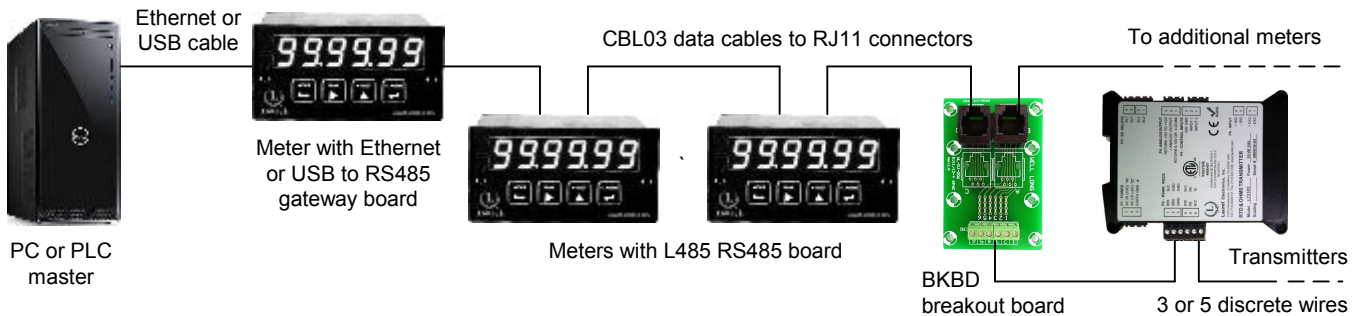
Model BKBD is a DIN rail mountable breakout board which provides a parallel 6-wire connection between two RJ11 jacks and a terminal block with 6 screw-clamp connectors. It allows the same RS485 data line to have a multi-point connection to Laureate meters with dual RJ11jacks plus Laureate LT series transmitters with screw-clamp connectors.

Model BKBD supports half-duplex RS485 with 3 wires or full-duplex RS485 with 5 wires. Full-duplex RS485 is recommended when using Modbus RTU with thermocouple input Laureate meters or transmitters.

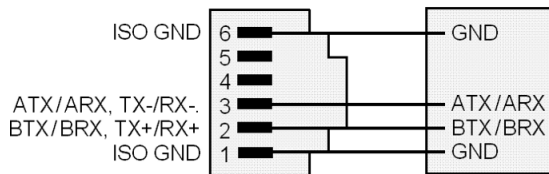
The dual RJ11jacks of Laureate meters are wired in parallel and allow RS485 daisy chaining of meters using Laure's CBL03 cables. These are non-reversing 6-wire data cables with an RJ11 connector on each end.

The screw-clamp connectors of Laureate transmitters allow RS485 daisy chaining of transmitter by inserting two wires into each screw clamp.

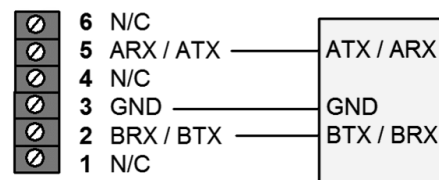
Normally only one BKBD adapter suffices for branching of the RS485 bus, as illustrated below.



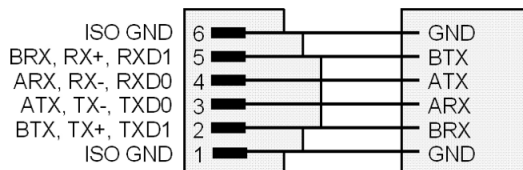
### RS485, RJ11, HALF DUPLEX FOR METERS



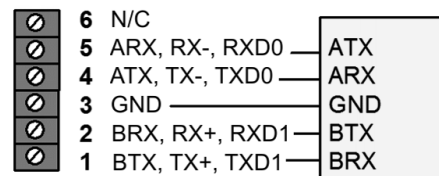
### RS485, TRANSMITTER, HALF DUPLEX



### RS485, RJ11, FULL DUPLEX FOR METERS



### RS485, TRANSMITTER, FULL DUPLEX



## Specifications

Dimensions ..... 72.5 x 47.4 mm (W x L)

Mounting ..... 35 mm DIN rail

Cable connectors ..... Two RJ11/RJ12 jacks

Terminal block wire size ..... 26-16 AWG