

☐ RJPD-L PD Series Data Daisy-Chain / CONTROL BUS Cable

The RJPD-L is a Standard RJ45 data network cable that can be used to daisy-chain the data signal from one PD to the next. It is terminated at both ends with RJ45 male connectors. The RJPD-L carries the data signal out of port J1 and into port J3 of the next PD in line. The RJPD-5 (5 foot length) is included with each PD unit. (Longer lengths available upon request). Any standard Cat5 or better cable may be used from the market or cables may be made in the field using Cat5 cable and available crimping tools.

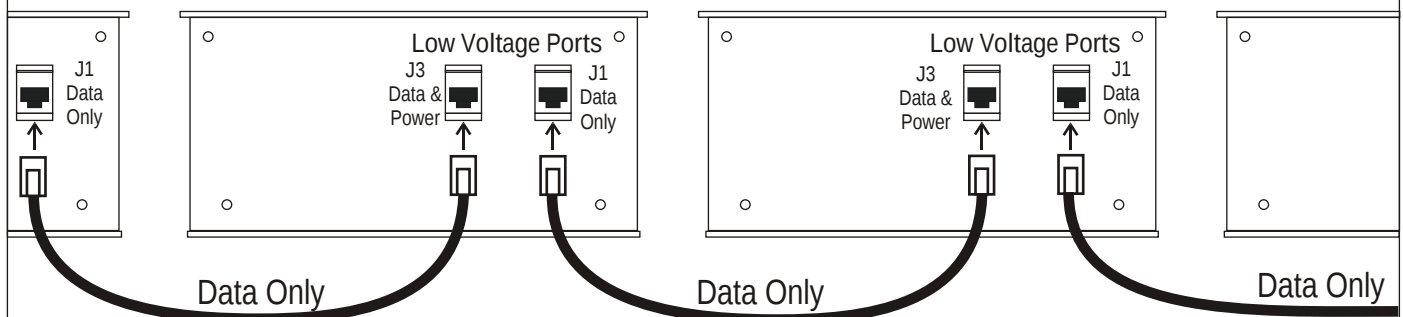
The RJPD-L is also used to connect the PD dimmer/switch packs to the DB44 data and power hub. See Figures 2 & 3 for connection details.

Ordering Info: RJPD-L (L = length in feet).



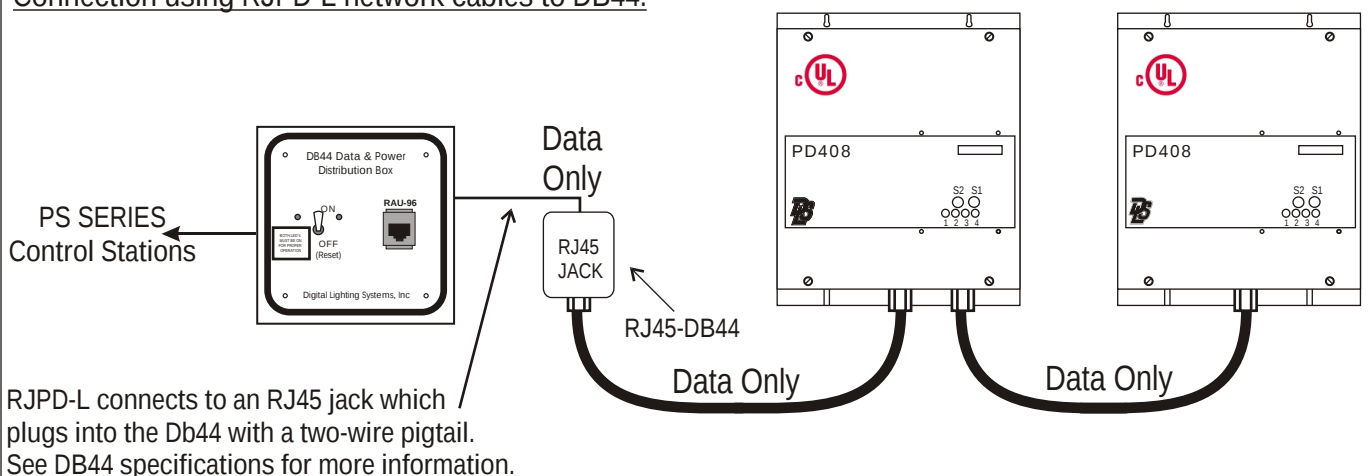
Figure 1: RJPD-L CONTROL BUS Cable for PD Dimmers

Figure 2: Bottom View of PD Dimmer/Switch Packs Showing Connection using RJPD-L network cables.



Note: The CONTROL BUS between PD units uses only PAIR # 4 from the CAT5 cable for DATA transmission.

Figure 3: Front view of PD Dimmer/Switch Packs Showing Connection using RJPD-L network cables to DB44.



W1-W2 Jumpers (for use in smaller systems without a DB44)

Protocol systems with 3 control nodes or less (PS Series stations, DCO, DCI or RAU) do not require an external power supply transformer. Power for these components can be supplied by one of the PD Series dimmer packs. Figure 1 shows the PD's network ports with their pin assignments. Installing W1 and W2 connects the 10 VAC transformer output to the network bus via J3. The 10 VAC output is permanently connected to J1. Figure 2 shows a typical small system with one PD Dimmer supplying power to the network. Figure 3 shows a typical system with an external transformer. System accessories such as extension cables and jumper boards are available from DLS and can simplify network bus connections.

TO AVOID PARALLELING THE OUTPUTS OF SEVERAL TRANSFORMERS IN A PROTOCOL SYSTEM:

- Do not install the jumpers in any of the PD Dimers when a DB44 panel with an external transformer is used in a system.
- Do not install jumpers in more than one PD Dimmer per system when no external transformer is used.

Figure 1

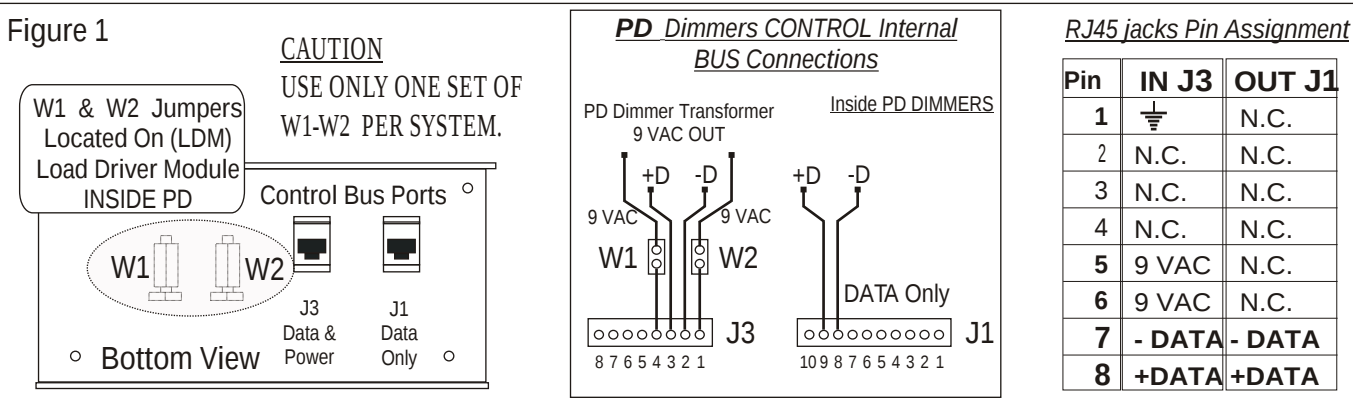


Figure 2

Small System Powered By a PD Dimmer Module UP to 3 control nodes

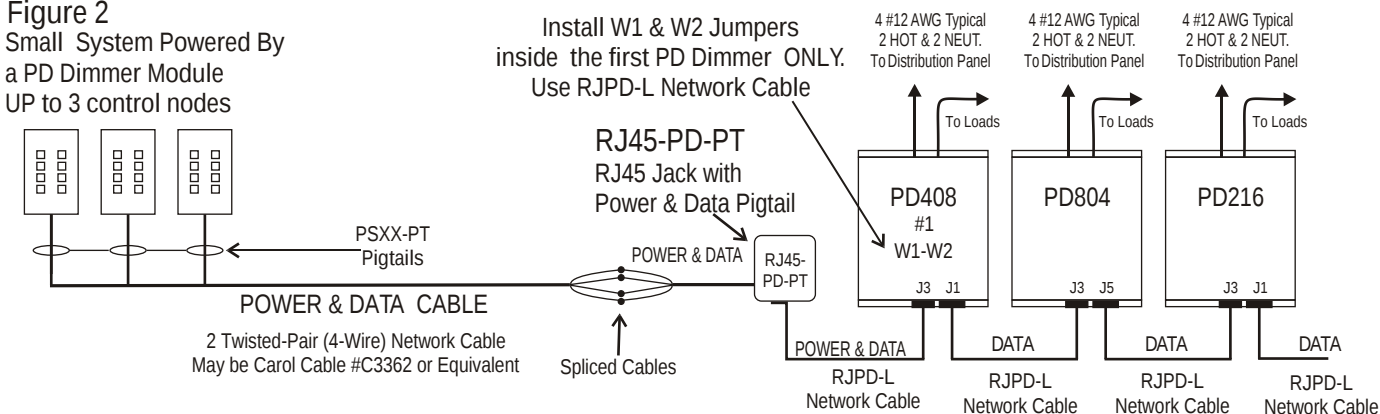


Figure 3

Typical System Powered By An External Transformer

