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485-PLG
For
485 Converters
and
485 Peripherals

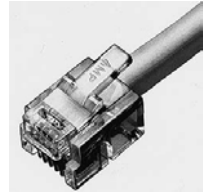
Integrity Instruments 485-PLG User Manual

INTRODUCTION

The **485-PLG** mates to our line of rs-485 products. It is designed to attach directly to the terminal strip of the unit via the header connector pins. RS-485 connections and power are then made by plug connectors to all units on the rs-485 multi drop link. This reduces field wiring time and makes any field de-bugging simple and easy. Future additional units can easily be inserted into the system by just plugging them in, no messy re-wiring.

Physical properties

Power connector	2.5mm center positive
Modular plug	6-4 modular plug amp/TYCO electronics 5-641335-3 or equivalent.
Header connector	.025 inch square pins



Schematic

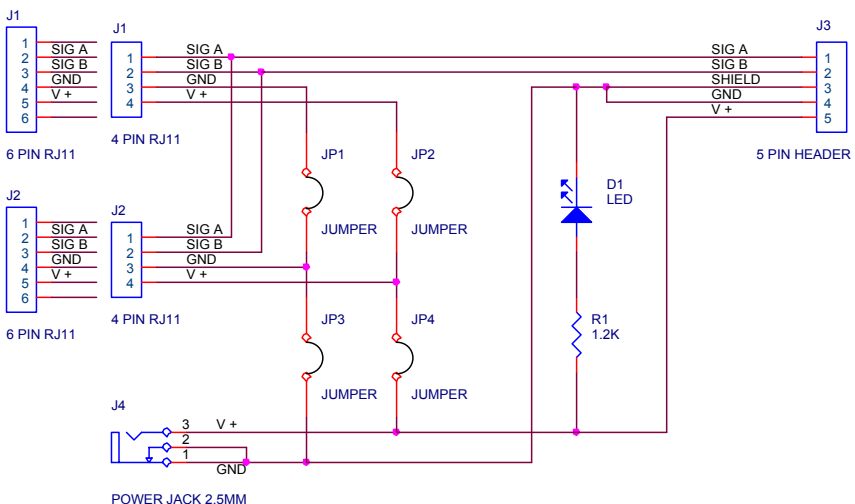
The drawing below shows the schematic for the 485-PLG. Power is supplied through the power connector J4. A LED on the board shows the presence of power. Power is supplied to the unit, and is routed via jumpers to the modular connectors J1 and J2.

When connections are made from J1 and J2 to other units, power and rs-485 signals are supplied to those units. The rs-485 daisy chaining is accomplished simple and fast, making field connections a snap.

NOTE:

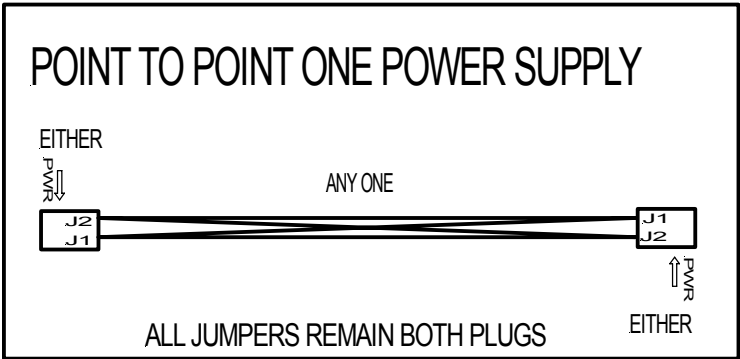
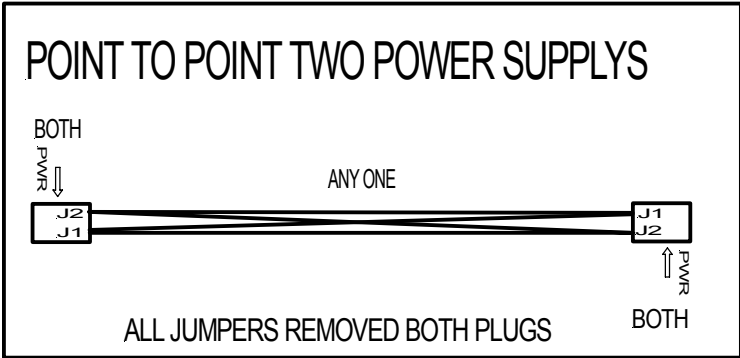
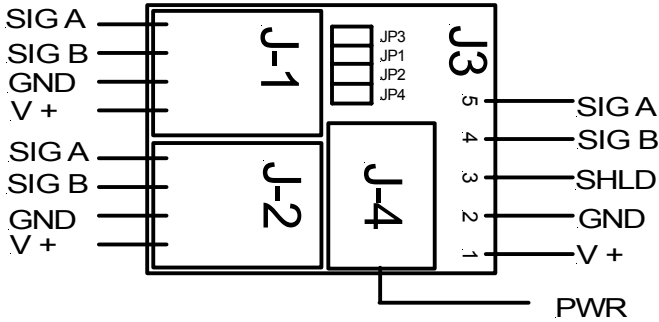
PLUG USES STANDARD 6-4 CONNECTORS. PLUG CONNECTIONS PIN 1 TO PIN 1, PIN 2 TO PIN 2 ETC.

DO NOT USE PREMADE TELEPHONE CORD AS THE CONNECTIONS ARE REVERSED.



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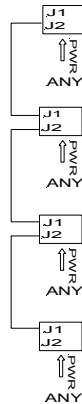
Physical Positions and Connections



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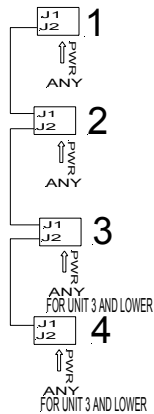
MULTI DROP ONE POWER SUPPLY

ALL JUMPERS ON
POWER TO ANY ONE UNIT
ANY JACK TO ANY JACK



MULTI DROP TWO OR MORE POWER SUPPLYS

ALL JUMPERS ON EXCEPT UNIT 3
REMOVE JP1 AND JP2 ON UNIT 3
ANY JACK TO ANY JACK EXCEPT
PRECEEDING UNITS MUST
PLUG INTO J1 OF UNIT 3
SUCCEEDING UNITS MUST PLUG
INTO J2 OF UNIT 3



WARRANTY

Integrity Instruments warranties all products against defective workmanship and components for the life of the unit. Integrity Instruments agrees to repair or replace, at it's sole discretion, a defective product if returned to Integrity Instruments with proof of purchase. Products that have been mis-used, improperly applied, or subject to adverse operating conditions fall beyond the realm of defective workmanship and are not covered by this warranty.

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