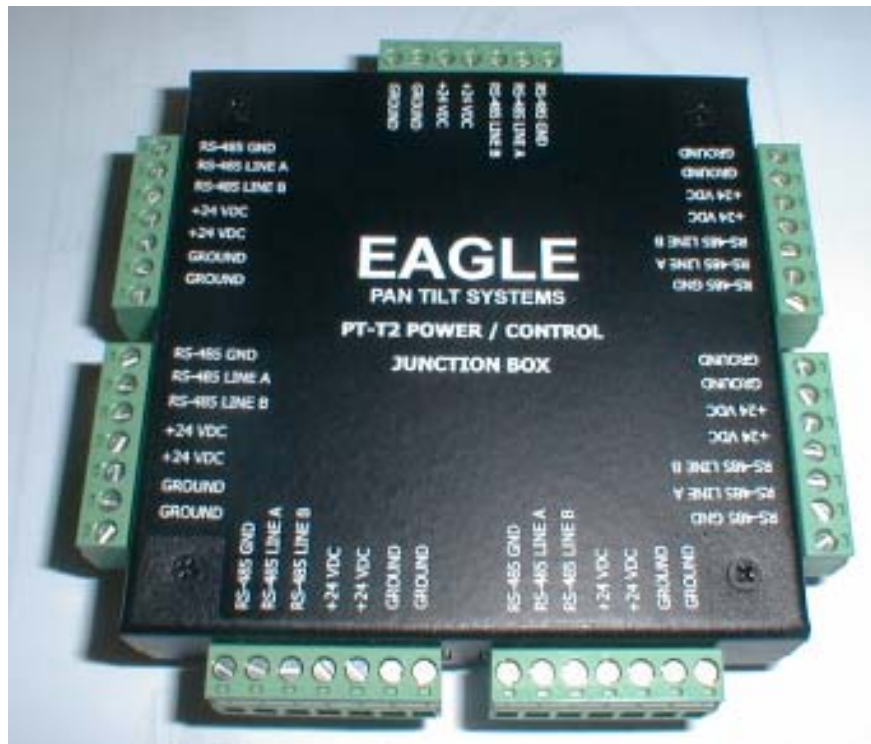


# Eagle PT-T2 Interconnect module Installation and Operations Manual

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The Eagle® PT-T2 interconnect modules allow the easy connection of system components to the pan-tilt control and power systems.

## **1. PRECAUTIONARY STATEMENT**

**1.1 Please read all of the following documentation before attempting the installation and configuration of these systems. If any of the instructions are unclear to you, call your servicing dealer or Hitachi before proceeding for clarification. Failure to correctly configure and install these systems may cause damage to the equipment, and will void the warranties. Please make sure before connecting or disconnecting any cables that the power supplies are turned OFF.**

## **2. WARRANTY**

2.1 Hitachi Denshi America, Ltd. warrants to the original customer that each unit shall be free from malfunction due to defective workmanship or component failure for a period of ONE YEAR from the original date of delivery to the customer. For service under the warranty period, return authorization must be obtained before returning the product. This warranty does not apply to finish or appearance items, to malfunction due to abuse or operation in violation of published operating specifications, or to failures caused by improper connections, modifications, alterations, or other unauthorized repairs. This warranty does not cover labor or shipping costs for removal and/or reinstallation of equipment under warranty. Under no circumstances shall Hitachi Denshi America, Ltd. or Display Devices, Inc., their owners or employees be liable to you for any special damages, including any lost profits, lost savings, or other incidental or consequential damages, or for any claim by any other party.

## **3. OPERATIONS**

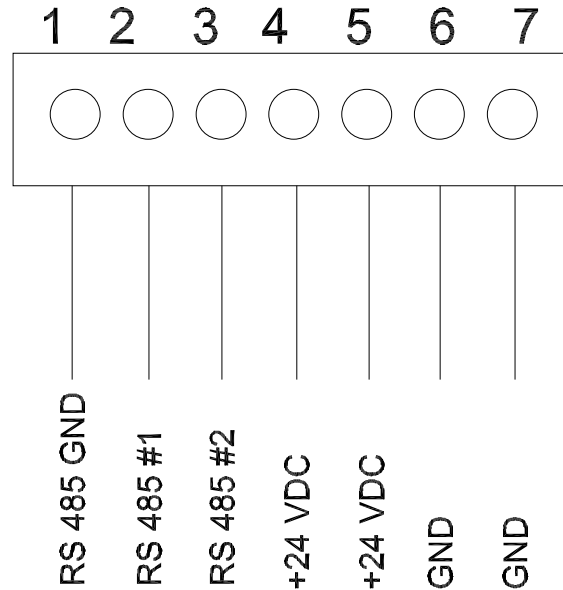
3.1 The PT-T2 interconnect module allow the installer of an Eagle® pan-tilt system to easily and quickly hookup system components to the RS-485 communications and 24VDC power backbones. Utilizing a “star” configuration, the modules combine power and communication lines to allow one power supply and controller to easily service multiple pan-tilt heads.

3.2 The modules have seven ports. One port is used as INPUT, where the RS-485 and power supply is attached to the system. The other ports are tied in parallel to this input port. Each detachable connector has seven screw terminal sockets, labeled 1 through 7. The first three should be used for RS-485 connection; the terminals 4 through 7 should be used for 24 VDC power and ground. See the attached photos and diagrams for system hookups.

3.3 Attention should be paid to the RS-485 terminations of the pan-tilt system; the pan-tilt head with the furthest home run cable distance from the T should be terminated. Likewise the controller should also be terminated. All other heads attached to the T should have the termination jumpers set to OFF.

## 4. POWER REQUIREMENTS

4.1 Power supply requirements for the system connections must be fully accounted for before the system is operated. One PT-PS-1 power supply, with its' output of 2.5A, will not be enough to power multiple heads simultaneously, but could power a system of three heads if only one head is operated at one time. Ordinarily for a multiple head system the PT-PS-2 supply (four separate 3 amp outputs) or the PT-PS-3 (6.5A output ) or PT-PS-4 (20A output) should be used for multi head systems to allow for multiple head operation at the same time and for line loss. If using the PT-PS-2, it is best to change the fuse of one of the outputs to a 10A fuse (included) from the standard 3A fuse; in this way a single output connector can provide 10A of power to the PT-T2 via a single line.



### SUGGESTED TERMINAL BLOCK WIRING LAYOUT

Use either one or both of the power conductors as needed; for long (over 150 foot/45M) runs, you should use both conductors at the -T2 end and combine them at the PT head end to compensate for line loss.