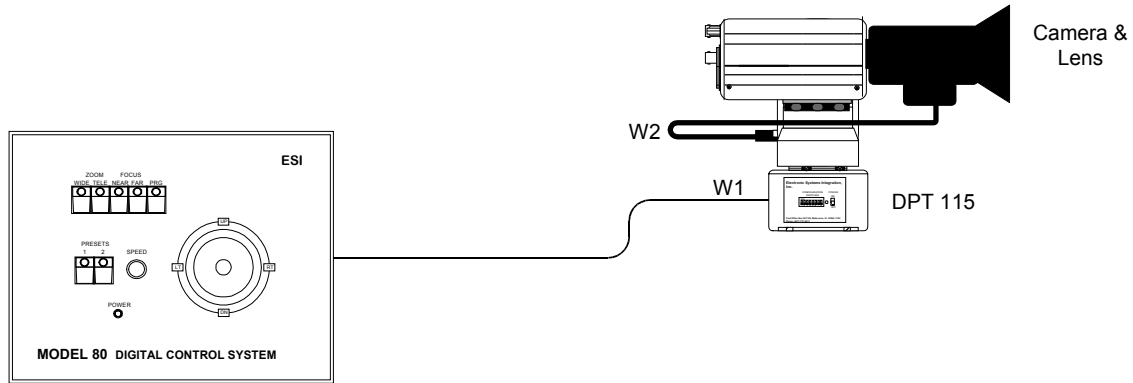


# ESI MODEL 80 DIGITAL CONTROL SYSTEM

DESIGNED TO CONTROL A SINGLE ESI MODEL DPT 115 PAN & TILT HEAD



Typical Interface between the Model 80 and the DPT 115

## **SPECIFICATIONS:**

Operating Environment: ..... Indoor; contact factory for outdoor requirements

Temperature:..... 40 to 104 degrees F. (0 to 40 degrees C.)

### Control Characteristics:

Power..... Rear rocker switch, with front panel LED indicator  
 Pan/Tilt..... Joystick, proportional deflection  
 Focus..... Near & far switches with speed control  
 Zoom..... Telephoto & wide switches with speed control  
 Presets..... 2 per camera station  
 Interface..... RS-422 or RS-232  
 Max. distance between controller & p/t head ..... 2000 feet; contact factory for longer distances  
 Special Requirements..... 2 Internal Switches for customer defined options

### Physical Characteristics:

Size (surface mount) ..... 7.8 (W) X 6.0 (D) X 3.75 (rear height) in inches;  
 sloped chassis  
 Weight..... Less than 4 pounds  
 Mounting ..... Table top with sloped panel

### Power Input Requirements:

Voltage..... +9 to 20 VDC  
 Current..... 0.3 Amperes  
 Wall Mount Power Supply ..... Provided with controller

Output Connector ..... RS-422: Four conductor RJ-11 style, other  
 connectors available for special requirements  
 RS-232: 9 pin female D connector



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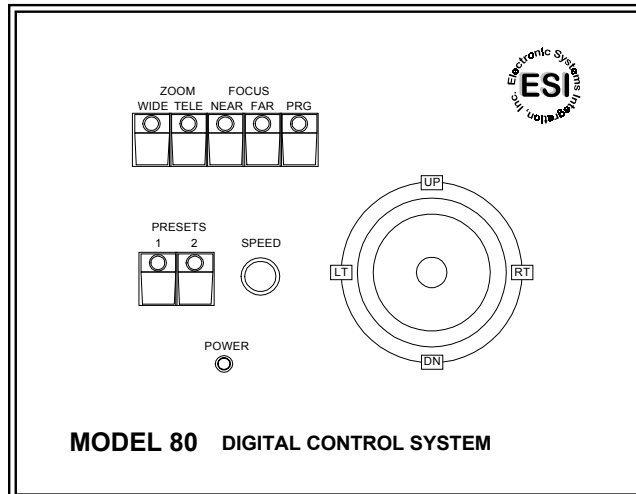
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# ESI MODEL 80 DIGITAL CONTROL SYSTEM

## REMOTE PAN & TILT AND LENS CONTROL SYSTEM

The ESI Model 80 Digital Control System is designed to provide a single camera controller for smaller system applications. The Model 80 provides a simple RS-422 or RS-232 interface to the DPT 115 and is ideal in applications where single camera control is required. If control of multiple DPT 115s is required, the Model 180 is the ideal controller. The applications listed below may be addressed by either the Model 80 single camera controller or the Model 180 multiple camera controller:

- Teleconferencing
- Distance Learning
- Tele-medicine
- Theater Instrumentation
- Meeting Room Instrumentation
- Churches
- Classrooms
- Boardrooms



The Model 80 provides pan & tilt and lens control for a single camera and lens. Two presets per camera site may be selected from the Model 80. These preset locations may be programmed directly from the Model 80 front panel and recalled by simply depressing the appropriate preset switch. The digital design of the Model 80 allows custom controls to be included for unique customer requirements. These control functions may be activated via a 2 position switch located inside of the Model 80 chassis.

The pan and tilt control is provided by a proportional deflection joystick. Control of the zoom and focus is accomplished with switches to activate Near and Far focus as well as Telephoto and Wide zoom. The speed of the motion is controlled by a speed control located directly beneath the zoom and focus controls.

The versatile digital interface of the Model 80 to the DPT 115 allows a variety of camera/lens combinations to be controlled by the Model 80. In addition, options such as; iris control or special serial camera interfaces may easily be implemented.

The Model 80 features a sloped front panel for ready access to all of the Model 80 controls. The Model 80 has a rear mounted ON switch and a front panel mounted LED power on indicator.

An RJ-11 style RS-422 connector and a 9 pin D style RS-232 connector are located on the rear of the unit. This presents the option of interfacing to the DPT 115 with either an RS-422 or RS-232 serial interface. The DPT 115 may be interfaced to both an RS-232 and an RS-422 interface simultaneously. A wall mounted power adapter is provided with the unit.



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