



T430 Simple Projector Controller

(Ed Schoell rev: Jan 14th 2014)

The T430 is a wired (RS232) remote controller for video projectors and flat panels, allowing simple On-Off control of the system, and optionally a simple toggle between two channels or sources.

Ease of setup and installation has been an important design criterion, and this has been achieved by providing a data-base of pre-coded projector code families in all units, so all have identical software (which is field up-dateable). At install time, or whenever options (or projectors) are changed in a room, the changes are made by selecting device families with the “**Program select**” hex switches on the back of the unit.

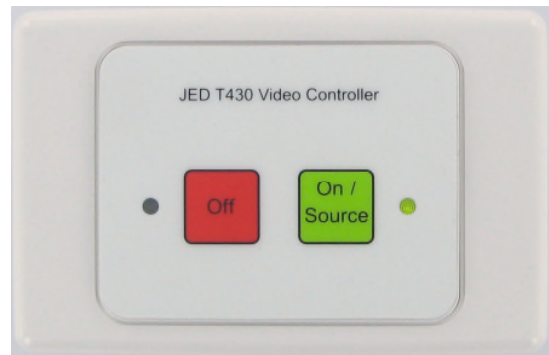
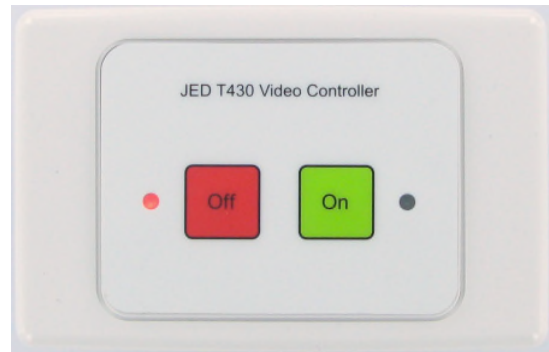
Two keyboard styles are provided, one with just an OFF and an ON key, and one with an OFF and an ON/Source key. This later allows toggling between two sources, from a mix of Computer and Video.

A DIP switch allows installers to quickly select several extra options, including which keyboard is installed and sources.

Connections: Power, one serial port, PIR (Passive Infra Red) sensor, optional IR projector drive or an optional CAT5 cable to the A/V world. An optional output can also drive a USB switch.

Several variables can be setup at install time, allowing for variable warm-up and cool-down times, timeout time for automatic PIR-controlled turnoff, and allocation of a wide range of computer or video channels to the source choices.

Except for a major code upgrade for totally new devices, a laptop is never needed at install/setup time. There is ¼ Mbyte of memory in the unit for data-base storage. A boot loader is included in the CPU, located in upper memory, so no special programming dongles are needed; it just needs a PC with a serial port (or a USB to serial adaptor.)



Operation of the T430

Red and green LEDs are next to the OFF and ON/Source keys respectively. These are steady or flashed to signal to the user the current state of the system. Pressing keys moves the operation through these various states.