



## CTRL001 PROJECTOR CONTROL UNIT

The CTRL001 is a wall mounted easy to use projector control unit compatible with all current and the majority of Hitachi legacy projectors. The CTRL001 offers manual and automatic on/off and source selection functions.

The auto on function is activated when a USB lead connected to a PC is plugged in to the unit, as the USB signal can be passed through to an external device; this makes the unit ideal for incorporation in to an interactive whiteboard setup.

An additional USB connector is incorporated for connecting USB devices to the attached PC. This allows the user to access files stored on their USB or memory device with the interactive whiteboard setup, without the need to access the PC.

When connected to a PC the unit is powered by the USB port but will revert to battery power when the PC is disconnected. The unit incorporates intelligent battery saving technology with a lifetime of at least 6 months. Power and error indicators are included to alert the user of low battery and other fault conditions.

Custom units can be produced with up to 7 buttons for large orders, minimum quantities and prices on application.

### Key Features:

- Turns projector on or off
- Change Input Source
- No need for a remote control
- USB Port so that presentations or homework can be uploaded onto a whiteboard with ease
- Instant Off/On
- Warning lights
- Preserves battery life (batteries not included)
- Supplied with 5m RS232 cable



**HITACHI**  
Inspire the Next

# CTRL001 Technical specifications



RJ45 socket

USB type A socket



USB type A socket

USB type B socket

## Operation

The unit will remain in unpowered state until *either* power is detected on USB input *or* on/off button is pressed

- On USB power detect**  
 Retrieve last selected channel from non-volatile memory and send power-on command to projector followed by channel select command.
- On USB power down**  
 Start timeout.
- On power button press when powered down**  
 Retrieve last selected channel from non-volatile memory and send power on command to projector followed by channel select command. Start timeout.
- On power button press when powered up**  
 Send command to projector to turn off. Disconnect power.
- On channel button press when powered down**  
 Retrieve last selected channel from non-volatile memory and send power on command to projector followed by channel select command. Start timeout.
- On channel button press when powered up**  
 Step to next channel, save channel number in non-volatile memory and send channel command to projector. Start timeout.
- On ten second timeout**  
 Disconnect battery power.

### CONNECTORS

USB type B socket	to PC/laptop	on bottom of board
USB type A socket	to whiteboard	on bottom of board
RJ45 socket	RS232 to projector	on top of board
USB type A socket	for USB memory stick	on top of board

### SWITCHES

ON/OFF	Momentary contact push button	Power ON/OFF. Automatic power OFF after 10 seconds if no USB power.
CHANNEL	Momentary contact push button	Select next channel

### INDICATORS

ON	Green LED	Illuminated when USB power detected or push button pressed
ERROR	Red LED	Flash briefly every 5 seconds when battery is low. Flash three times quickly if communication with projector fails

### LINKS

1 link jumper	To force manual only operation
3 further jumper links on pcb	For future enhancements

### BATTERY

Holder for 2/4 AA cells	At least 6 months life
Provision for further inputs and indicators on pcb	

### DIMENSIONS

Dimensions (H x W x D)	130 x 67 x 30mm
Weight	150g