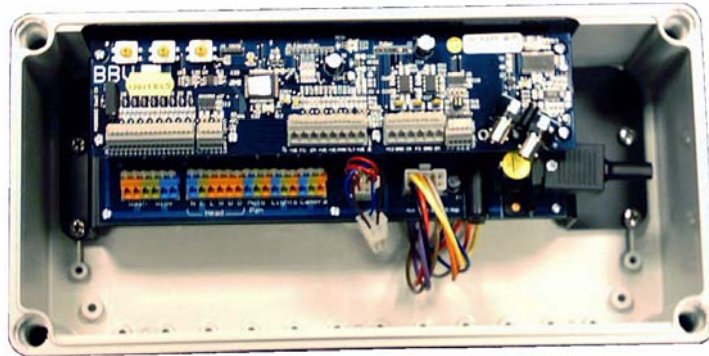


RX45X

ADVANCED MULTIPLE PROTOCOL TELEMETRY RECEIVER FOR AC HEADS

BBV



Application Notes

The RX45X is designed to control fixed speed AC pan & tilt heads from BBV and Baxall up-the-coax and a range of RS485/422 telemetry protocols.

The receiver offers system designers the option of using traditional P/T/Z heads for applications where it is necessary to specify a range of camera/lens combinations.

Features

- o 230Vac operation, 110Vac with solder link. 24Vac is a factory fitted option.
- o Simply set up from the control unit, 32 full scenes are programmable.
 - o Positioning control of pan, tilt, zoom and focus are available for each scene
- o Built in remotely adjustable launch amplifier provides cable loss compensation for optimum picture quality
- o 8 local alarm inputs and 1 alarm output minimises cabling requirements.
- o IP67 weather proof enclosure. (380mm x 190mm x 130mm)
- o 12Vdc 500mA camera supply provided.
- o PAL/NTSC compatible
- o Iris override provided
- o Inching function provides fine lens control
- o Serial port for control of camera functions
- o On screen display with menu programming
- o Simple to install. No specialised knowledge required
- o Remote configuration
- o Supports the following menu selectable protocols (V19 firmware)
 - BBV, BAXALL STANDARD & ALTERNATE UP-THE-COAX
 - BBV RS422
 - DENNARD RS422/485
 - PELCO P, PELCO D
 - PHILIPS RS422/485 (BI-PHASE VIA OPTIONAL CARD)
 - SENSORMATIC/AD RS422
 - MOLYNX RS422/485
 - VCL/HONEYWELL RS485
- o Optional privacy zone board

RX45X AC TELEMETRY RECEIVER

Technical Specification



Power Requirements 230Vac/110Vac solder link selectable or 24Vac factory fitted option

Max Load 5A @ 230V

Receiver Current Draw 24VA max

Fuses

Secondary	F1	Automatically resetting thermal fuse
Primary fuse	F2	TR 3.15A
Auxiliary fuse	F3	5A T 20mm

Outputs 8 single pole relays (snubbed) Mains/24Vac link selectable

1. Left Motor	5. Autopan (Interlocked with Pan)
2. Right Motor	6. Lights (1000W max)
3. Up Motor	7. Wash
4. Down Motor	8. Wipe

Facilities LED readout for continual system status.
On Screen Display with configuration menu and diagnostics

Video launch amplifier provided with cable length adjustment
12Vdc camera power provided.
Colour coded outlets – live, neutral, earth, low voltage.

Telemetry Signals BBV and BAXALL STANDARD & ALTERNATE up-the-coax
BBV RS422
Dennard RS422/485
Pelco P & Pelco D RS422/485
Philips(Bosch) RS422/485 (BI-PHASE via optional card)
SENSORMATIC/AD RS422
MOLYNX RS422/485
VCL TP RS422/485(Honeywell)

Auto Iris Output Returns to original setting 15 seconds after key release. Level programmable from controller.

Video Input 1v p-p 75 terminated input via BNC socket.

Video Output 1v to 4v p-p 75 impedance via BNC socket.

Lens Drive Adjustable via menu between 3 – 12Vdc from receiver and remotely from configuration menu. Inching speed selectable via menu between 0 – 12V. 1 second inching built in. Provides drive for Zoom & Focus. Each lens drive carries RED and GREEN LEDs to indicate direction and drive voltage.

Preset Posoitioning Inputs are provided for pan, tilt, zoom & focus preset feedback pots. These are 10 bit resolution. Up to 32 full-scene presets can be stored within the receiver, i.e. pan, tilt, zoom, focus for each position.

Other Outputs Serial port available to drive advance features on selected cameras.

Boxed Dimensions

Width:	380mm
Length:	190mm
Height:	130mm

Weight 2Kg

Rating IP67

Temperature range -10C to +40C

BBV

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