

RX400P TELEMETRY RECEIVER

BBV



Application Notes

The RX400P is ideal for controlling full function AC P/T/Z cameras in an external environment where accessories such as wiper, washer etc. are the norm

The RX400P offers up to 16 full scene presets. These may be used as a method of visually patrolling large areas of a site. They may be interlinked with detection devices in automated system designs.

Presets effectively reduce reliance on the operator.

Features

- Simply set up from the control unit, 16 full scenes are programmable.
- Positioning control of up, down, zoom and focus are available for each scene
- No additional cabling required. Operates up to 250M of RG59 or up to 500M of CT125 standard coaxial cable
- Built in launch amplifier provides cable loss compensation for optimum picture quality
- Self tuning facility ensures reliable operation even when operating up to 500M of CT125 coaxial cable
- Various supply options, 24Vac/110Vac/230Vac (230Vac as standard)
- Will operate on 20mA current loop as standard for situations where coax control is impractical
- Supports local diagnostics and test facility
- Auto iris override provides manual control of the lens iris from the keyboard - a safety feature, to protect the imaging device returns the lens to automatic operation 15 seconds after the manual control button is pressed
- Compact design allows various mounting options
- Auxiliary outputs available for additional functions i.e. Wash, Wipe or Autopan
- Compatible with all BBV telemetry transmitters and other equipment using BBV up-the-coax telemetry
- Optional 24Vac output for low voltage heads

RX 400P



Technical Specification

Power requirements	230 volts 50Hz, options for 110Vac or 24Vac		
Max load	5Amp at 230 volts		
Receiver current draw	6VA max		
Fuses	Auxiliary fuse (F2) slow blow (rating dependent on supply and output voltage)		
Outputs	8 single pole change over relays (snubbed) 1. Left motor 2. Right motor 3. Up motor 4. Down motor 5. Autopan (interlocked with pan) 6. Lights (1Kw max) 7. Wash 8. Wipe		
Facilities/Options	Unit auto tunes to the coaxial telemetry signal LED readout for continual system status Diagnostic test switch (SW8) activates each function for two seconds in turn Video launch amplifier with Gain and Lift controls Camera power outlet provided Colour coded outlets- live, neutral and earth, low voltage 24 volt option available from factory, plugs into J5 (pre wired)		
Telemetry signals	Up-the-coax FSK telemetry designed to operate up to 250M of RG59 or up to 500M of CT125 coaxial cable or via 20mA current loop twisted pair (star wired).		
Auto - iris output	Allows iris override feature when used with supported lens. Returns to original setting 15 seconds after key release. Level programmable from keypad.		
Video input	1v p-p 75R terminated input via BNC socket		
Video output	1v p-p to 4v p-p 75R impedance via BNC socket		
Lens drive	Adjustable via control VR4/LENS, and ranges between 3 and 12 volts. Inching speed selectable via a linear control VR3/INCH between 0% and 100% of full lens voltage. 1 second inching control built in. Drives provided for Zoom, Focus and motorised iris. Each lens drive carries a bi-colour LED to indicate correct lens drive function		
Presets	Up to 16 full-scene preset can be stored within the receiver with 10 bit resolution. Each preset consisting of pan, tilt, zoom and focus position. (requires preset head & lens).		
Boxed size	Width 190mm Length 380mm Height 130mm	PCB size	Width 108mm overall Length 203mm without IEC inserted Height 38mm above PCB
Boxed weight	2.4Kg	PCB weight	0.4Kg
Temperature range	- 10 c +40 c	Protection Rating	IP67
Supply/Output Options	Part Code RX400P RX400P/24 RX400P/110/110 RX400P/110/24 RX400P/24/24 PCB version suffix: Boxed version suffix:	Supply 230Vac 230Vac 110Vac 110Vac 24Vac /PCB /WBX	Output 230Vac 24Vac 110Vac 24Vac 24Vac

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