



RX400P Telemetry Receiver



Application Notes

The RX400P Telemetry Receiver is ideal for controlling full function ac pan/tilt/zoom 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 preset scenes are programmable
- Preset 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
- Various supply options, 24V ac/ 110V ac/ 230V ac (230V ac as standard)
- Operates on 20mA current loop as standard for situations where up-the-coax control is impractical
- Supports local diagnostics and test facility
- Auto iris override provides manual control of the lens iris from the keyboard
- Compact design allows various mounting options
- Auxiliary outputs available for additional functions, i.e. wash, wipe, lights & autopan
- Compatible with all BBV telemetry transmitters and other equipment using BBV up-the-coax telemetry
- Optional 24V ac output for low voltage heads



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RX400P Telemetry Receiver



Technical specification

| | | | |
|------------------|----------------------------------------------------------------------------------------------|---------------------|--------------|
| Power supply | 230V 50/60Hz, options for 110V ac or 24V ac supply | | |
| Load | 5A at 230V max | | |
| Current | 6VA max | | |
| Aux output fuse | Supply | Output | |
| | 230 | 230 | |
| | 230 | 24 | |
| | 110 | 110 | |
| | 110 | 24 | |
| | 24 | 24 | |
| | | Fuse F2 | |
| | | 5A T | |
| | | 315mA T | |
| | | 5A T | |
| | | 630mA T | |
| | | 5A T | |
| 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 | | | |
| Telemetry | Up-the-coax: RG59: 250m | | |
| | CT125: 500m | | |
| Auto iris output | Twisted pair: 20mA loop (1200, E, 8, 1) | | |
| | Returns to original setting 15 seconds after key release | | |
| | Level programmable from keyboard | | |
| Video input | To drive override input for Cosmocar, or Seiko style lens | | |
| Video output | 1V p-p 75Ω terminated input via BNC socket | | |
| Facilities | 1V p-p to 4V p-p 75Ω impedance via BNC socket | | |
| | Unit auto tunes to the coaxial telemetry signal | | |
| | Diagnostic test switch activates each function for two seconds in turn | | |
| | Video launch amplifier provided with Gain and Lift controls | | |
| Lens drive | Camera power outlet provided | | |
| | Adjustable, ranges between 3 – 12V | | |
| | Inching speed adjustable control, one second inching built in | | |
| Presets | Drives provided for Zoom, Focus and Motorised Iris | | |
| | Each lens drive has 2 LEDs to indicate lens drive function | | |
| Dimensions | Inputs provided for preset feedback pots | | |
| | 16 preset positions can be stored in the receiver. Each position consists of a complete view | | |
| | | RX400P | RX400P Boxed |
| | Depth | 100mm | 190mm |
| | Width | 230mm (without IEC) | 380mm |
| Height | 38mm | 130mm | |
| | Weight | 0.5kg | |
| | | 2.5kg | |



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