



RX400P



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 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 250mtrs of RG59 or up to 500mtrs 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 500mtrs of CT125 coaxial cable
- Various supply options, 24Vac / 110Vac / 230Vac (230Vac as standard)
- Operates 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 lights and autopan
- Compatible with all BBV telemetry transmitters and other equipment using BBV up the-coax telemetry
- Optional 24Vac output for low voltage heads



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RX400P



Technical specification

Power supply	230V 50Hz, options for 110Vac or 24Vac			
Max load	5Amp at 230V			
Max current draw	6VA			
Fuses	Auxiliary fuse (F2) slow blow (rating dependent on supply and output voltage)			
Outputs	8 single pole change over relays (snubbed) <ul style="list-style-type: none"> 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 			
Features / Options	Unit auto tunes to the coaxial telemetry signal LED readout for continual system status Diagnostic test switch (SW8) activates each function for 2 seconds in turn Video launch amplifier with gain and lift controls Camera power outlet provided Colour coded outlets - live, neutral and earth, low voltage 24V option available from factory, plugs into J5 (pre wired)			
Telemetry signals	Up-the-coax FSK telemetry designed to operate up to 250mtrs of RG59 or up to 500mtrs 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 -12V. Inching speed selectable via a linear control VR3/INCH between 0% - 100% of full lens voltage. One 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.			
Temperature range	-10C to +40C			
Protection rating	IP67 (head & lens)			
Installation	Supplied in a moulded polycarbonate box rated to IP67. The box has mounting holes allowing easy installation.			
Dimensions	Boxed	Width 380mm	Depth 190mm	Height 130mm
	PCB	Width 203mm	Depth 108mm	Height 38mm above PCB
		without IEC inserted		
Weight	2.4Kg	PCB weight 0.4Kg		
Supply/output options	Part Code	Supply	Output	
	RX400P	230Vac	230Vac	
	RX400P/24	230Vac	24Vac	
	RX400P/110/110	110Vac	110Vac	
	RX400P/110/24	110Vac	24Vac	
	RX400P/24/24	24Vac	24Vac	
	PCB version suffix: /PCB			
	Boxed version suffix: /WBX			



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