



TECHNICAL SPECIFICATIONS

MODELS

PT570P	120 VAC, medium duty pan/tilt
PT570P/PP	Discontinued
PT570P/RAD	Discontinued
PT570-24P	24 VAC, medium duty pan/tilt
PT570-24P/PP	Discontinued
PT570-24P/RAD	Discontinued

MECHANICAL

Pan	0-355° movement in horizontal plane
Speed	6°/sec ± 1°
Torque	10 ft./lb with specified voltage
Tilt	± 90° movement in vertical plane
Speed	3°/sec ± .5°
Torque	20 ft.lb with specified voltage
Maximum Load	40 lb (18.16 kg) at 5" (12.7 cm) from tilt table surface to center of gravity
Gearing	Adjustable worm-gear final drive to prevent drift and minimize backlash
Bearings	Pan — Heavy-duty ball bearings Tilt — Oilite bronze bushing
Braking	Mechanical friction-type
Duty Cycle	50% duty cycle; 30 minute rating

ELECTRICAL

Input Voltage	120 VAC or 24 VAC, 50/60 Hz
Power Requirements	

		24V Units	120V Units
(Running)	Pan	.9 amp (21.6 vA)	.18 amp (21.6 vA)
	Tilt	.9 amp (21.6 vA)	.18 amp (21.6 vA)
(Starting)	Pan	1.35 amps (32.4 vA)	.27 amp (32.4 vA)
	Tilt	1.35 amps (32.4 vA)	.27 amp (32.4 vA)
Connectors	AMP CPC type (mate supplied)		
Motors	Two-phase induction type, instantaneous reversing		
Limit Switches	5 amp each (pan and tilt); external adjustment		
Conductor Requirements	6 or 7, unshielded (Functions: left, right, up, down, motor common, safety ground) (No additional conductors for auto scan when used with solid-state control.)		

Cable Distances

		6 Cond.	7 Cond.*
PT570P	20 Awg	1,045 ft (318.52m)	2,080 ft (633.98m)
	18 Awg	1,665 ft (507.49m)	3,330 ft (1014.98m)
	16 Awg	2,640 ft (804.67m)	5,285 ft (1610.87m)
PT570-24P	20 Awg	40 ft (12.19m)	85 ft (25.91m)
	18 Awg	65 ft (19.81m)	135 ft (41.15m)
	16 Awg	110 ft (33.53m)	220 ft (67.06m)

*Using 2 wire motor common

Distances are calculated with both motors (pan and tilt) running and assuming a 10% voltage drop in the cable.

Pan/tilt distances can be extended with use of RB115 (PT570P) or RB24 (PT570-24P) relay box. See Table I for extended distances.

GENERAL

Construction	Aluminum plate; all internal parts corrosion protected
Finish	Gray polyester powder coat
Environment	Outdoor; -10° to 120°F (-23.33° to 48.89°C)
Weight	22 lb (9.9 kg)
Shipping Weight	25 lb (11.5 kg)

Table I. Recommended Cable Distances Using RB115/RB24 Relay Box

Wire Size (Awg)	Maximum Distance "A"	RB115 Maximum Distance "B"	RB24 Maximum Distance "B"
20	5,800 ft (1,768m)	1,045 ft (318.52m)	40 ft (12.19m)
18	8,250 ft (2,515m)	1,665 ft (507.49m)	65 ft (19.81m)
16	13,000 ft (3,962m)	2,640 ft (804.67m)	110 ft (33.53m)

CERTIFICATIONS/RATINGS

- ◆ CE compliant (PT570-24P)
- ◆ UL listed to Standard 2044
- ◆ NEMA 3R

OPTIONS

FG/570	High speed gearing: 9°/4.5° per sec pan/tilt speeds. Reduces load to 20 lb (9.08 kg).
FGP/570	High speed pan gearing: 9°/sec pan speed.
FGT/570	Special high speed tilt gearing: 4.5°/sec tilt speed. Reduces load to 20 lb (9.08 kg).
HB/570	Blanket heater in cover. Allows operation to -50°F (-45.56°C). 75 watts total. 120 VAC, 50/60 Hz.

RECOMMENDED CONTROLS

Coaxitron or Matrix	See individual spec sheets for information.
MPT/MPTA Series	Desktop control for 120/24 VAC pan/tilts. (See C520 spec)
MPTAZ Series	Desktop pan/tilt and zoom lens control with auto/random scan. (See C528 spec)
RB115, RB24	Relay box for extended low voltage operation. Extends operating distance (control to relay box). (See C915 spec)

RECOMMENDED ENCLOSURE

EH4700 Series	Environmental enclosure. (See C1405 spec)
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RECOMMENDED MOUNTS

PA2000	Adapter plate; required when using WM2000.
PM2000, PM2010	Ceiling/pedestal mount. Max. load 125 lb (56.75 kg). (See C255 spec)
ST1	Support strut; use with WM2000/PM2000/PM2010.
WM2000	Wall mount. Max. load 75 lb (34.02 kg). (See C266 spec)

Specifications subject to change without notice.
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