

PT270-24P Pan/Tilt

INDOOR, LIGHT DUTY

Product Features

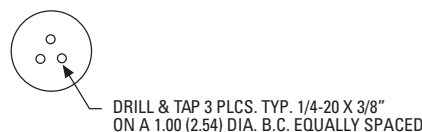
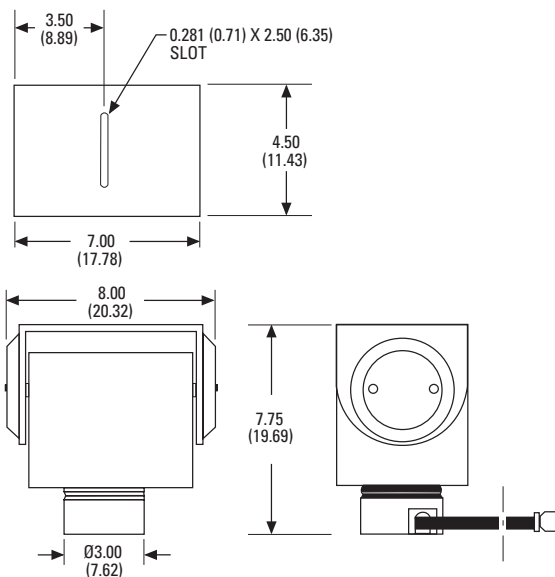
- "Mini" Pan/Tilt
- Easily Serviced
- Inverted Operation
- Indoor Applications
- External Limit Adjustments
- High Speed Pan Movement (12°/sec ±1°)
- 24 VAC Operation
- Capable of Auto/Random Scan Operation When Used with Appropriate Control
- Maximum Load 15 lb (6.8 kg)



The **PT270-24P** "mini" pan/tilt has been carefully engineered to accommodate the lighter, smaller, new generation of CCTV cameras. Small in size, but rugged in operation, the **PT270-24P** measures only 7.75 inches (19.69 cm) high, 8 inches (20.32 cm) wide, and 4.50 inches (11.43 cm) deep. Ideally suited for indoor operation, this pan/tilt can be used in discreet enclosure applications or where space is a consideration.

The **PT270-24P** features aluminum and steel construction and has a long-life 24 VAC motor capable of auto/random scan operation when used with the appropriate Pelco control.

The **PT270-24P** is capable of handling a maximum load of 15 pounds (6.8 kg), making it suitable for use with our EH3010 and other small enclosures.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



TECHNICAL SPECIFICATIONS

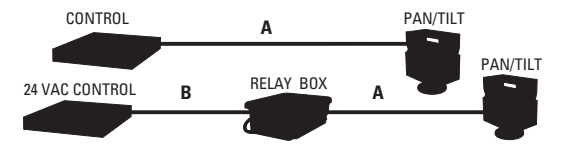
MODEL

PT270-24P Light duty mini pan/tilt, 24 VAC

ELECTRICAL

Input Voltage	24 VAC, 50/60 Hz
Power Requirements (Running)	
Pan	0.31A (7.4 VA)
Tilt	0.43A (10.3 VA)
Connectors	AMP CPC type (mate supplied)
Motors	2-phase induction type, instantaneous reversing
Limit Switches	5 A each (pan/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

Maximum Operating Distances



	Cable Size	Maximum Distance	
		A	B
PT270-24P 6 Conductors	20 AWG (0.5 mm ²)	159 ft (48 m)	5,800 ft (1,767 m)
	18 AWG (1.0 mm ²)	254 ft (77 m)	8,250 ft (2,515 m)
	16 AWG (1.5 mm ²)	403 ft (123 m)	13,000 ft (3,962 m)
7* Conductors	20 AWG (0.5 mm ²)	274 ft (84 m)	
	18 AWG (1.0 mm ²)	437 ft (133 m)	
	16 AWG (1.5 mm ²)	694 ft (212 m)	

*Using 2-wire motor common

- Notes:**
- Distance (A) from control to pan/tilt is the same as distance from relay box to pan/tilt.
 - Maximum operating distance can be extended by using a low voltage control (24 VAC) and a relay box. Distance (B) from control to relay box is the same for all applications.
 - Distances are calculated with both motors (pan and tilt) running and assuming a 10% voltage drop in the cable.

MECHANICAL

Pan Speed	0 to 355° movement in horizontal plane 12°/sec ±1°
Tilt Speed	±90° movement in vertical plane 3°/sec ±0.5°
Maximum Load	15 lb (6.8 kg) at 2" (5.08 cm) from tilt table surface to center of gravity
Gearing	Chain and sprocket final drive
Bearings	
Pan	Heavy duty ball bearings
Tilt	Oilite bronze bushing
Braking	Friction type
Duty Cycle	50% duty cycle; 30 minute rating

GENERAL

Construction	Aluminum and steel; all internal parts corrosion protected
Finish	Gray polyester powder coat
Environment	Indoor; 32° to 120°F (0° to 49°C)
Unit Weight	9 lb (4.0 kg)
Shipping Weight	10 lb (4.5 kg)

CERTIFICATIONS/RATINGS

- CE, Class B
- UL Listed
- Meets NEMA Type 1 standards

RECOMMENDED CONTROLS

Coaxitron® or Matrix	Refer to individual specification sheets for information.
MPT24DT	Desktop control for 24 VAC pan/tilt.
MPTAZ Series	Desktop pan/tilt and zoom lens control with auto/random scan for 24 VAC pan/tilt.
RB115, RB24	Relay box for extended low voltage operation. Extends operating distance (control to relay box). For use with 24 VAC pan/tilt and 24 VAC output controls.

RECOMMENDED ENCLOSURE

EH3010/EH3014	Small, indoor enclosure
EH4010/EH4014	Small, indoor enclosure
EH3508/EH3512	Small, indoor/outdoor enclosure

RECOMMENDED MOUNTS

PM14	Light duty wall mount; maximum load 20 lb (9.07 kg)
PM105	Medium duty wall mount; maximum load 40 lb (18.14 kg)



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