

TECHNICAL SPECIFICATIONS

MODELS

PT1260EX	Explosionproof/weatherproof pan/tilt, 120 VAC
PT1260EX/220	Same as PT1260EX except 230 VAC operation
PT1260EX/PP	Same as PT1260EX except has preset option. Requires preset control.
PT1260EX/PP/230	Same as PT1260EX/PP except 230 VAC operation

ELECTRICAL

		PT1260EX	PT1260EX/220
Input Voltage		120 VAC, 50/60 Hz	230 VAC, 50/60 Hz
Power Requirements			
(Running)	Pan	0.48A (57.5 VA)	0.19A (43.7 VA)
	Tilt	0.48A (57.5 VA)	0.27A (62.1 VA)
(Starting)	Pan	0.60A (72.5 VA)	0.19A (43.7 VA)
	Tilt	0.60A (72.5 VA)	0.27A (62.1 VA)

Connectors	Explosionproof gland (supplied)
Motors	Two-phase induction type, instantaneous reversing
Limit Switches	5A each (pan and tilt); internal adjustment
Conductor Requirements	6, unshielded (functions: left, right, up, down, motor common, safety ground). PP option requires 4 additional conductors

Maximum Operating Distances

		Maximum Distance			
		Cable Size		A	B
PT1260EX 6 Conductors	20 AWG (0.5 mm ²)	489 ft	(149 m)	5,800 ft	(1,767 m)
	18 AWG (1.0 mm ²)	778 ft	(237 m)	8,250 ft	(2,515 m)
	16 AWG (1.5 mm ²)	1,235 ft	(376 m)	13,000 ft	(3,962 m)
PT1260EX/220 6 Conductors	20 AWG (0.5 mm ²)	2,463 ft	(750 m)		
	18 AWG (1.0 mm ²)	3,918 ft	(1,194 m)		
	16 AWG (1.5 mm ²)	6,218 ft	(1,895 m)		

- Notes:** 1. Distance (A) from control to pan/tilt is the same as distance from relay box to pan/tilt.
2. 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.
3. Distances are calculated with both motors (pan and tilt) running and assuming a 10% voltage drop in the cable.

MECHANICAL

Pan	0-355° movement in horizontal plane
Speed	6°/sec ±1°
Torque	50 ft-lb with specified voltage
Tilt	±90° movement in vertical plane
Speed	3°/sec ±0.5°
Torque	100 ft-lb with specified voltage
Maximum Load	100 lb (45.4 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	Sealed, heavy-duty ball bearings
Tilt	Oilite bronze bushing
Braking	Mechanical
Duty Cycle	50% duty cycle; 30 minute rating

GENERAL

Construction	Anodized, aluminum plate; all internal and external parts corrosion protected; stainless steel fasteners
Tilt Shaft	Type 316 stainless steel
Finish	Gray polyester powder coat
Environment	Indoor/outdoor operation
Temperature	-10° to 120°F (-23° to 49°C)
Unit Weight	69 lb (31.2 kg)
Shipping Weight	75 lb (34 kg)

CERTIFICATIONS/RATINGS

- UL Listed (PT1260EX and PT1260EX/PP)
- Meets NEMA Type 4X standards
- For use in Class I (Groups C and D) and Class II (Groups E, F, and G) hazardous locations.

RECOMMENDED CONTROLS

Coaxitron Matrix	See individual specification sheets for information. Preset pan/tilt must be used with Coaxitron or matrix control with PP capability and preset receiver.
MPTAZ Series	Desktop pan/tilt and zoom lens control with auto/random scan for 120/230/24 VAC pan/tilts.
RB115	Relay box for 120 VAC pan/tilts. Extends operating distance (control to relay box). Use only with MPT24DT or MPTAZ24DT low voltage controls.

RECOMMENDED ENCLOSURES

EHX*E Series	Explosionproof enclosure
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