

PT1260EX Pan/Tilt

EXPLOSION-PROOF

Product Features

- Meets NEMA 4X Standards
- 120 or 230 VAC Operation
- Rugged Construction
- For use in a Variety of Harsh and/or Hazardous Environments
- Heavy Duty Adjustable Worm-Gear Final Drive
- Optional Preset Positioning Capability
- Limit Stops Internally Adjustable
- Indoor/Outdoor Applications
- Maximum Load 100 Pounds (45.4 kg)

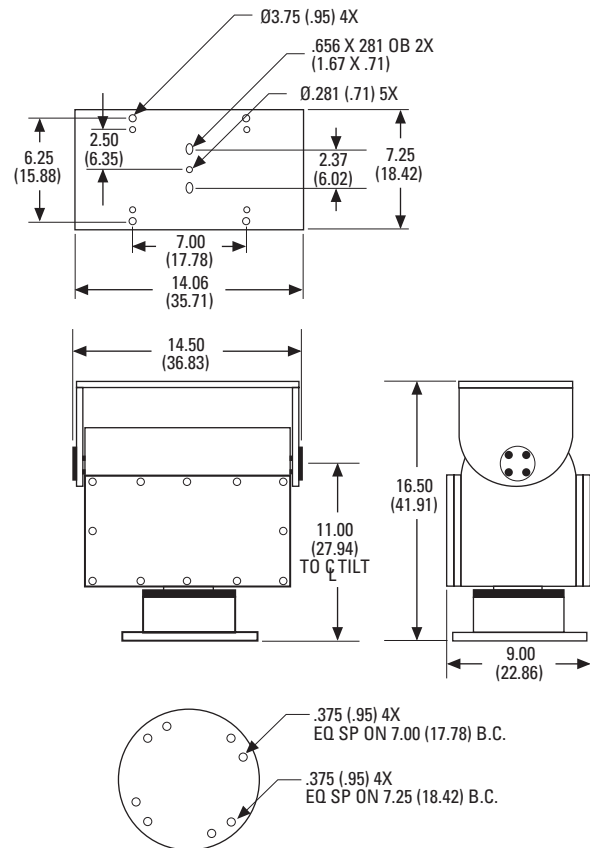


The **PT1260EX** pan and tilt has been engineered to meet the rigorous requirements of explosion-proof and dust-ignition-proof electrical equipment installed in Class I (Group C and D) and Class II, (Group E, F and G) hazardous locations.

Easily capable of handling loads up to 100 pounds (45.4 kg), the **PT1260EX** is ideally suited for use with our EHX*E Series explosion-proof enclosure for potentially hazardous or combustible applications.

The **PT1260EX** features rugged, high torque AC motors, and adjustable worm-gear final drives, to ensure long operational life, as well as drift-free operation.

Manufactured from anodized, plate aluminum with all internal and external parts corrosion protected, steel or aluminum; stainless steel fasteners. The limit stops are internally adjustable.



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



DataFAX
SPEC: 2368
MANUAL: 23686

C368 / REVISED 10-02

Class I, Class II
Hazardous Locations



International Standards
Organization Registered
Firm ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

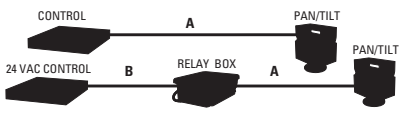
MODELS

PT1260EX	Explosion-proof/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 or use with position indication meter AZL
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	.48A (57.5 vA)	.19A (43.7 vA)
	Tilt	.48A (57.5 vA)	.27A (62.1 vA)
(Starting)	Pan	.60A (72.5 vA)	.19A (43.7 vA)
	Tilt	.60A (72.5 vA)	.27A (62.1 vA)
Connectors	Explosion-proof 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



	Cable Size	Maximum Distance	
		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 ±.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 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 spec sheets for information. Preset pan/tilt must be used with Coaxitron or Matrix control with PP capability and preset receiver.
MPT Series	Desktop control for 120/230/24 VAC pan/tilts.
MPTA Series	Desktop control with auto/random scan operation for 120/230/24 VAC pan/tilts.
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 MPTA24DT low voltage controls.
RB220	Same as RB115 except for 230 VAC pan/tilts.

RECOMMENDED ENCLOSURES

EHX*E Series	Explosion-proof enclosure.
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