# PT1260EX Pan/Tilt EXPLOSIONPROOF

### **Product Features**

- Meets NEMA Type 4X Standards
- 120 or 230 VAC Operation
- Rugged Construction
- For Use in a Variety of Harsh and 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)

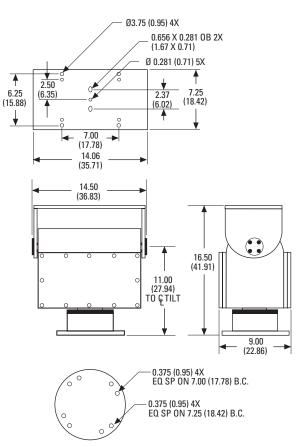
The **PT1260EX** pan/tilt has been engineered to meet the rigorous requirements of explosionproof and dust-ignition-proof electrical equipment installed in Class I (Group C and D) and Class II, (Group E, F, and G) hazardous locations.

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.

The **PT1260EX** is manufactured from anodized plate aluminum. All internal and external parts are constructed of corrosion-protected steel or aluminum, and the fasteners are stainless steel. Pan and tilt limit stops are internally adjustable.





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



International Standards Organization Registered Firm, ISO 9001 Quality System C368 / REVISED 3-29-11

## **TECHNICAL SPECIFICATIONS**

120 VAC

operation

requires preset control

Explosionproof/weatherproof pan/tilt,

Same as PT1260EX except 230 VAC operation

Same as PT1260EX except has preset option;

Same as PT1260EX/PP except 230 VAC

#### **MODELS**

PT1260EX

PT1260EX/220 PT1260EX/PP

PT1260EX/PP/230

#### **ELECTRICAL**

LLLUIMUAL		
Input Voltage		
PT1260EX, PT1260EX/PP PT1260EX/220,	120 VAC, 50/60 Hz	
PT1260EX/PP/230	230 VAC, 50/60 Hz	
Power Requirements		
PT1260EX, PT1260EX/PP	Pan	Tilt
Running	0.48 A (57.5 VA)	0.48 A (57.5 VA)
Starting PT1260EX/220,	0.60 A (72.5 VA)	0.60 A (72.5 VA)
PT1260EX/PP/230	Pan	Tilt
Running	0.19 A (43.7 VA)	0.27 A (62.1 VA)
Starting	0.19 A (43.7 VA)	0.27 A (62.1 VA)
Connectors	Explosionproof gland (supplied)	
Motors	Two-phase induction type, instantaneous reversing	
Limit Switches	5 A 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	s* .	
PT1260EX and PT1260EX/P	Р	
6 Conductors	Cable Size	Maximum Distance
	20 AWG (0.5mm <sup>2</sup> )	489 ft (149 m)
	18 AWG (1.0mm <sup>2</sup> )	778 ft (237 m)
	16 AWG (1.5mm <sup>2</sup> )	1,235 ft (376 m)
PT1260EX/220 and		
PT1260EX/PP/230	00 AVA/0 /0 F 3V	0.400 (* /750
6 Conductors	20 AWG (0.5mm <sup>2</sup> )	2,463 ft (750 m)
	18 AWG (1.0mm <sup>2</sup> )	3,918 ft (1,194 m)
	16 AWG (1.5mm <sup>2</sup> )	6,218 ft (1,895 m)

\*Distances are calculated with both motors (pan and tilt) running and assuming a 10% voltage drop.

#### **MECHANICAL**

Pan Speed Torque Tilt Speed Torque Maximum Load Gearing Bearings Pan Tilt Braking

6°/sec ±1° 50 ft-lb with specified voltage ±90° movement in vertical plane 3°/sec ±0.5° 100 ft-lb with specified voltage 100 lb (45.4 kg) at 5" (12.7 cm) from tilt table surface to center of gravity Adjustable worm-gear final drive to prevent drift and minimize backlash

0° to 355° movement in horizontal plane

Sealed, heavy-duty ball bearings Oilite bronze bushing Mechanical 50% duty cycle; 30 minute rating

#### **GENERAL**

Duty Cycle

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)
- For use in Class I (Groups C and D) and Class II (Groups E, F, and G) hazardous locations (PT1260EX and PT1260 EX/PP)
- Meets NEMA Type 4X standards

#### **RECOMMENDED CONTROLS**

Coaxitron <sup>®</sup> or 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.

#### **RECOMMENDED ENCLOSURES**

EHX\*E Series

Explosionproof enclosure

#### Pelco by Schneider Electric

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