

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/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)

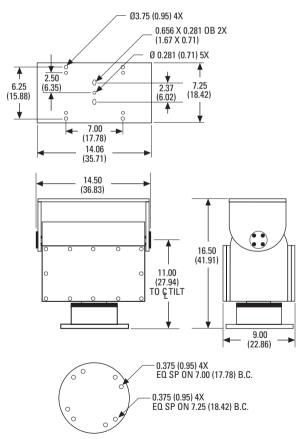
The **PT1260EX** pan/tilt has been engineered to meet the rigorous requirements of explosionproof and dust-ignition-proof electrical equipment installed in Class I (Group C and D) and Class II, (Group E, F, and G) hazardous locations.

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.

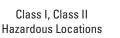
Manufactured from anodized, plate aluminum with all internal and external parts corrosion-protected steel or aluminum. The fasteners are stainless steel fasteners. Pan and tilt limit stops are internally adjustable.





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









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.

DT12C0EV

PT1260EX/PP/230 Same as PT1260EX/PP except 230 VAC

operation

ELECTRICAL

		FIIZOUEA	F11200EA/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

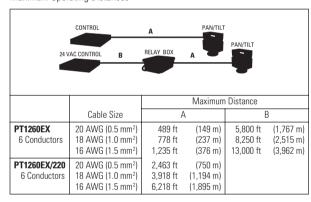
reversing

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

DT12C0EV/220

Maximum Operating Distances



Notes: 1. Distance (A) from control to pan/tilt is the same as distance from relay box to

- 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 $\pm 90^{\circ}$ movement in vertical plane

Speed $3^{\circ}/\text{sec} \pm 0.5^{\circ}$

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