



The QPT-201C is part of the product line of “Smart” positioning systems which are significantly more capable than basic pan and tilt units. These advanced designs embed powerful microprocessor controllers, which can be effortlessly programmed to adjust limits of motion, speed, and Azimuth/Elevation positions.

Embedded functions include preset repeatable positions, tours, jog or direct manual entry with 12 bit absolute position feedback, convenient edit and adjustable dwell times. The “Smart” concept eliminates the need for separate interface electronics and is connected to the control station using a cost efficient “single cable feed”. No calibration or homing cycle is required for startup.

RS232/422/485 or optional Ethernet connectivity can be used to control both the pan and tilt functions as well as the instruments and equipment mounted on the positioner. QuickSet “Smart” systems interface with stabilization and tracking systems, on-screen displays, and system interface programs of various types.

The QPT-201C is available in 12 or 24vdc models and is ideal for hostile environments. The unit includes auto-baud detection, and includes a 6 ft. test cable, other lengths of cable are available upon request.



Color Variations

Black (BLK)



Olive Drab (OD)



Specifications (May vary from model to model)

Voltage:	12VDC	24VDC
Load Capacity:	7.5 ft.-lbs. (3.4 kg-m)	7.5 ft.-lbs. (3.4 kg-m)
Pan Range:	435° (±217.5°)	435° (±217.5°)
Pan Speed Range:	2°-23°/sec	3°-35°/sec
Pan Motor Current:	0.3 amp	0.15 amp
Pan Torque:	2.9 ft.-lbs	2.9 ft.-lbs
Tilt Range:	180° (±90°)	180° (±90°)
Tilt Speed Range:	2°-12°/sec	3°-12°/sec
Tilt Torque:	7.5 ft.-lbs.	7.5 ft.-lbs.
Tilt Motor Current:	0.7 amp	0.5 amp
Motor Type:	Permanent Magnet	Permanent Magnet
Connector:	17 pin (mating connector included)	17 pin (mating connector included)

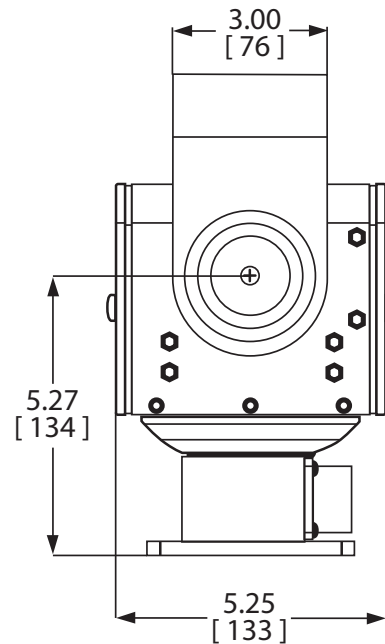
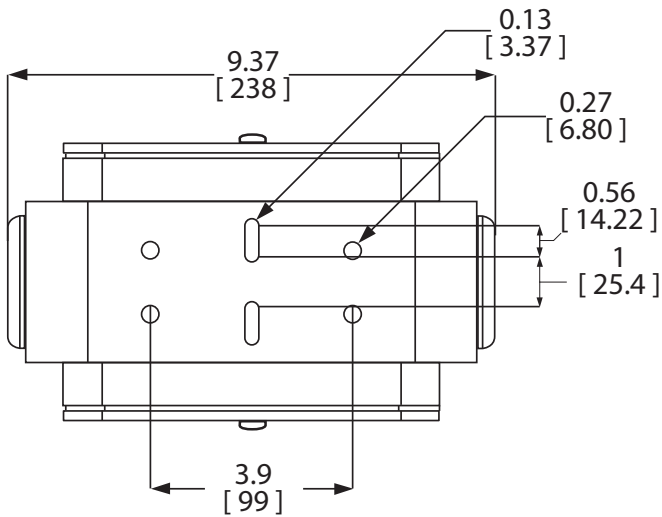
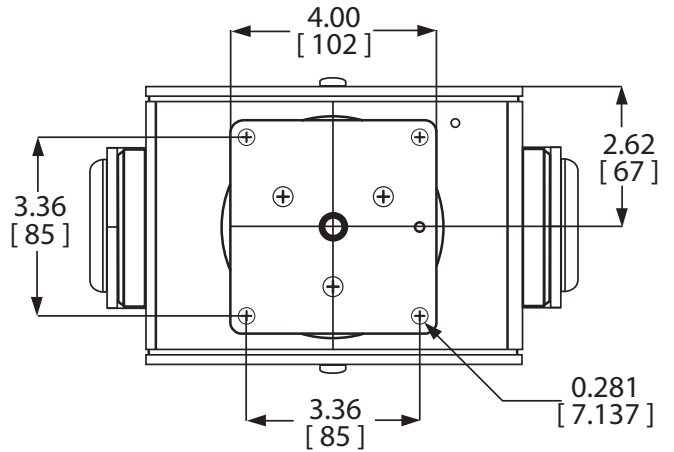
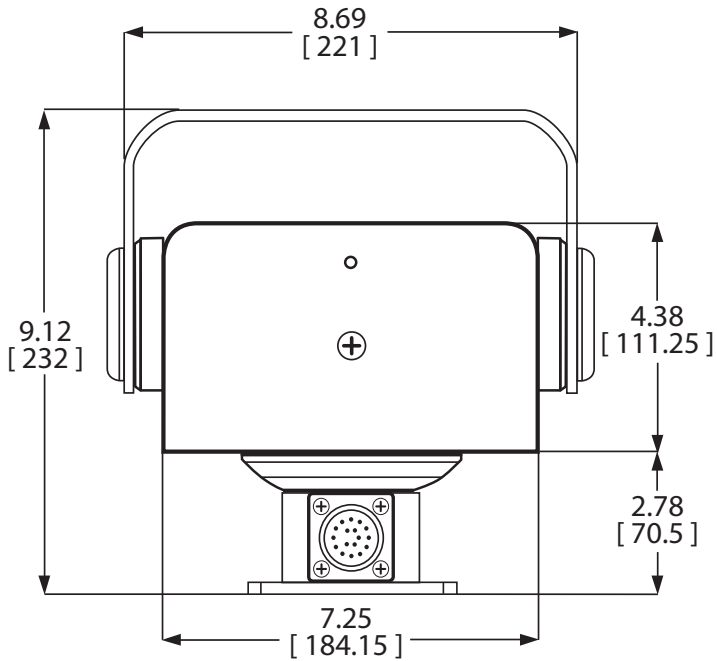
Specifications Continued

Weight:	13.1 lbs (5.94 kg)
Dimensions:	9.12"H x 9.37"W x 5.24"D (232mmH x 238mmW x 133mmD)
Material:	Housing - Aluminum, External Hardware - Stainless Steel
Exterior Color/Finish:	White(Dupont 326162A, Ford PFWS9) & Flat Black are Powder Coated (Olive Drab units not powder coated) (custom colors/private labeling upon request)
Drivetrain:	Steel gear, Coated steel worm & self-aligning bearings
Environmental Enclosure:	Gasketed & sealed, suitable for Inverted Operation
Limit Switches:	Internal
Backlash:	Adjustable to 0
Repeatability:	0.50°
Heater:	Optional
Operating Temperature:	+5°F to +131°F (-15°C to +55°C) (without heater operating) -28°F to +131°F (-33°C to +55°C) (with heater operating)
Position Feedback	Potentiometers
Interface:	RS232/422/485 or optional Ethernet
Set-up commands include:	Electronic limit of motion for both pan and tilt Setting of minimum and maximum speeds Establishing 32 preset locations, including "home position" "Tour" feature allows construction of up to 63 steps of the preset positions continuously with variable dwell times between them. Three tours may be stored in on board memory. Setting normal/reverse mode of movement and position feedback Alignment to local or global coordinates Includes test/operation software (Requires Windows 95, SR2, 98, ME, 2000 or XP; not compatible with Windows NT)
Software features:	Access to all setup parameters Virtual joystick for jog position Visual analog and digital position indicators, plus destination readouts Set up and access of tour feature Diagnostic communication and fault indicators Protocol analyzer Move monitor allows logging of positions acquired

Model List - QPT-20IC

(Specifications that vary from the above are listed next to specific models)

7-45100A	12vdc, Pan Speed Range 1°-8°/sec, Tilt Speed Range 1°-3°/sec, Heater, White Finish
7-45101A	12vdc, White Finish
7-45110A	24vdc, Pan Speed Range 1°-7°/sec, Tilt Speed Range 1.5°-5°/Sec, White Finish
7-45111-BLK	24vdc, Black Finish
7-45111-ODA	24vdc, Olive Drab Finish
7-45111-A	24vdc, White Finish



Dimensions are in inches [mm]
*Specifications are subject to change without notice