

Introducing the new PositionIt range of positioners with improved, next-generation control electronics and software while retaining the rugged reliability of the original PositionIt range. The new PositionIt series is dimensionally and electrically identical to the first generation with fully backwards compatible electronics and software. Improved motor control is assured with higher resolution speed control, slower minimum speeds, and user adjustable minimum speeds and speed ramps. The new GUI for configuring and commissioning allows users to set and adjust many features that were originally factory set only. It also boasts many new features such as the ability to receive positional feedback, set home position and limit stops and fault diagnostics.



ESSENTIAL FEATURES:

- **Designed, Manufactured, and Tested to excel in Mobile Applications**
 - Hardened metal gears
 - MIL-STD 810 certified by independent laboratory
- **Strong, lightweight construction**
 - Die-cast aluminum housing
 - Stainless steel fasteners
- **New Graphical User Interface (GUI)**
 - Greater level of control with user set features
 - Faster set-up
 - Positional feedback
- **More precise than ever**
 - Higher level of motor control
 - Greater positional accuracy
- **Regenerative Braking**
 - On motor shaft
- **Flexible Connection**
 - Bottom or side
- **Universal mounting plate**
 - Suitable for most common payloads
- **Pelco-D over RS-485 Communications**
- **Weather-proof**
 - IP 68 Rated
- **Long Operational Life**
 - 2-year warranty
- **Backwards compatible**

POSITIONIT CONTROLLERS

The latest positioner controller from Will-Burt is loaded with new features. You will always know the status of the positioner with real-time positional, speed, and status feedback. Control multiple positioners and third-party equipment with a single controller. This controller is optimized for positioners with stow and deploy buttons located on the front panel.



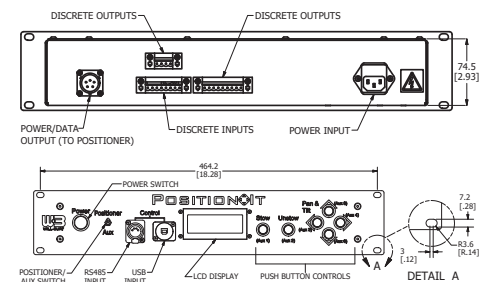
Rack Mount Controller

The new Positioner Controller from Will-Burt will simplify deployment and operation of communications and video equipment.

ESSENTIAL FEATURES:

19-inch (2U) Rack Mount Controller for controlling Will-Burt mobile and static positioners

- LCD Home Screen displays real-time positioner information
- LCD Selector Menu provides additional control functionality
- Control third-party equipment through (7) digital discrete outputs with USB and RS-485 inputs
- Control multiple positioners in single system through address selection
- Positioner control with front panel directional push buttons and configurable 'Stow' and 'Unstow' presets
- Pelco-D over RS-485 half-duplex output to positioner
- 100-240VAC input voltage with 24VDC output voltage to positioner
- 2-year warranty



The Pelco-D compatible controller with LCD screen has all of the features necessary to optimize the performance of the PositionIt positioner. Precision joystick controller flawlessly controls the pan and tilt functions. Includes LCD screen, keyboard and programmable presets that simplify operation. The positioner handheld controller can also be optionally used in conjunction with the pan and tilt positioner controller.



Handheld Controller

SPECIFICATIONS

PositionIt	PI-150	PI-75	PI-35
Payload Capacity*	150 ft lb / 202 Nm	75 ft lb / 101 Nm	35 ft lb / 47 Nm
Height	11.32 in. / 287.7 mm	11.32 in. / 287.7 mm	9.7 in. / 246 mm
Width	12.4 in. / 314 mm	9.21 in. / 234 mm	10.8 in. / 273 mm
Depth	6.8 in. / 171 mm	6.8 in. / 171 mm	5.7 in. / 144 mm
Weight	37 lb / 16.8 kg	35 lb / 16 kg	19.5 lb / 8.9 kg
Operating Temperature	-40°C to 60°C / -40°F to 140°F		
IP Rating	IP68 - Waterproof (immersion) and Dustproof		
Pan Axis	400° (± 200°)	400° (± 200°)	400° (± 200°)
Pan Speed (proportional)	0.02 to 6.5° / second	0.02 to 6.5° / second	1° to 12° / second
Tilt Axis	180° (± 90°)	180° (± 90°)	180° (± 90°)
Tilt Speed (proportional)	0.02 to 5.5° / second	0.02 to 5.5° / second	1° to 12° / second
Backlash	≤ 0.15°	≤ 0.15°	≤ 0.15°
Repeatability	≤ 0.3°	≤ 0.3°	≤ 0.3°
Maximum Continuous Power	44 W	44 W	44 W
Maximum Running Current	1.85 amps	1.85 amps	1.85 amps
Input Voltage	24 VDC - Converters available for 12 VDC and AC power sources		

*Capacity measured at 12 inches or less from the tilt axis. Dimensions and weights are for reference only and are subject to change. Contact Will-Burt for current engineering specifications.

Rack Mount Controller with Real Time Positioner Feedback	
Communication	Pelco-D over RS-485 half-duplex at 2400 bps
Operating Temperature	11.32 in. / 287.7 mm
Weight	12.4 in. / 314 mm
Dimensions (W x H x D)	6.8 in. / 171 mm
Power	37 lb / 16.8 kg

Handheld Controller	
Input Voltage	12V DC
Power	0.5 watts
Communication Interface	RS485
Communication Frequency	2400, 4800, 9600, 19200 bps
Operating Temperature	32°F to 122°F / 0°C to 50°C
Dimensions (L x W x H)	6.6" x 5.4" x 4.2" / 168 mm x 136 mm x 105 mm
Weight	.89 lb / .4 kg

WILL-BURT NORTH AMERICA WORLD HEADQUARTERS

401 Collins Boulevard, Orrville, OH USA 44667
 Telephone: +1 330 682 7015
 Mast Customer Service: +1 330 684 4000
 Fax: +1 330 684 1190
 Email: info@willburt.com

WILL-BURT ASIA SINGAPORE SALES OFFICE

1 Fullerton Road, #02-01 One Fullerton,
 Singapore 049213
 Telephone: +65 6832 5689
 Fax: +65 6722 0664 / Email: info@willburt.com

INTEGRATED TOWER SYSTEMS A WILL-BURT COMPANY

2703 Dawson Road
 Tulsa, OK 74110
 Telephone: +1 800 850 8535
 Fax: +1 918 749 8537
 Email: programs@tstowers.com

WILL-BURT TÜRKİYE

Ahi Evran OSB Mahallesi,
 Nahcivan Caddesi, No: 8/2, Sincan, Ankara 06935
 Telephone: +90 535 662 9060 / Fax: +90 312 502 6970
 Email: info@willburt.com

WILL-BURT GERMANY

Fischergasse 25
 D-91344 Waischenfeld, Germany
 Telephone: +49 9202 180
 Fax: +49 9202 1811
 Email: info@willburt.com

WILL-BURT UNITED KINGDOM

Unit 5b, Station Approach
 Four Marks, Alton Hampshire, GU34 5HN,
 United Kingdom
 Telephone: +44 (0) 1403 265532
 Fax: +44 (0) 1403 259072 / Email: info@willburt.com

CLARK MASTS LIMITED A WILL-BURT COMPANY

18-20 Ringwood Road, Binstead, Isle of Wight, PO33 3PA, England
 Telephone: +44 (0) 1983 563691/567090
 Fax: +44 (0) 1983 566643/811157
 E-mail: sales@clarkmasts.com

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore and a joint venture in Turkey. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.