

Makes window shades disappear

Features

- At only 2.50" tall, Nano Roll redefines what a small designer shade should be.
- Ultra-quiet operation
- Low Voltage and Lithium Battery Shades have soft start/stop technology
- Programmable limits. Fine tunable using a remote, through your control system, or the Tahoma app, depending on configuration
- Industry leading light gaps, as small as 5/8", depending on size and configuration
- Shades move in unison, with speeds programmable through integration
- Expansive textile / fabric options with UV blocking Sunscreen, Light Filtering, Privacy and Black-out available. Most commercial grade fabrics carry NFPA 701-10 California Title 19, ASTM E2180, ASTM G21 Bacterial & Fungal Resistance and some carry various Acoustical Ratings for sound absorption. Custom fabric options available
- Power failure memory for the life of the shade
- Available in Wired using 485/ Zigbee LV with Janus, SiFi, and Fontus, or Wireless using Zigbee or RTS technologies
- Low voltage power and communication over Category cable, or over existing 2-wire installations

Note: Fabric selection may limit the size of the shade, or force cassette size to the next size up; use the SI Flow Tool and SI Design Services with help determining shade size and fabric selection compatibility.



Nano Roll Specifications

For illustration purposes only; not a system specification drawing

Colors

Available in 12 standard powder coat colors for the ultimate in finish durability

Sizes

275 | 375 | 475

Methods of Control

Wired Integration and control

- IP control for all popular control systems - 485
- Serial 232
- Contact closure (global and local)
- 12v trigger
- 0-10v

Wireless Integration and control

- Zigbee
- RTS (global and local)
- IR

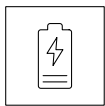
Technical Specifications

Power

- Low Voltage Power, with operating voltage: (class 2, 24-28v DC)
- Power supply features over/under-voltage, over/under current, and thermal protection for all devices in the system
- Electrostatic isolated and galvanic isolation
- Non-volatile memory, meaning programming is protected in the case of a power failure
- Power must be derived from a Screen Innovations supplied power source for all low-voltage and charging

Compatible power sources

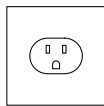
Configurable in 3 available motor types:



Rechargeable
Zigbee | RTS
275 | 375



24v DC
Zigbee | RTS | 485
275 | 375 | 475



110v AC
RTS | 485
375 | 475

Environment

Operating temperature range is normal ambient (32 to 110 degrees), and humidity levels up to 90%. Not meant for wet environments

Flexible Configuration

- Create scenes, groups, and set times
- Systems we integrate with:

NANO 485 shades - BCP, Control4, Crestron SIMPL, Crestron Home*, Dry Contact Closures, Elan, IP, IR, Lutron*, Loxone, RS-232, RS-485, RTI, Savant, URC, 0-10v, 12v Trigger

NANO RTS shades - Alexa, Control4, Crestron SIMPL, Crestron Home*, Dry Contact Closures, Elan, Google Home via IFTTT, Josh.ai*, IP, IR, Loxone, RS-232 via URTSII, RS-485 via URTSII, RTI, Savant, URC, 12v Trigger via Connect

NANO Zigbee shades - Alexa, Control4, Crestron SIMPL, Crestron Home*, Elan, Google home, IP, Lutron*, RS-232*, RTI*, Savant, URC, Apple Homekit*, Phillips HUE*, Brilliant*, Josh ai*, Samsung Smart Things*

*-Coming Soon

System Size

Janus - Each Janus powers up to 8 devices, and up to 255 devices per segment

Zigbee - A Zigbee system can control up to 77 nodes per mesh controller, with no limit on number of mesh controllers for RTS

RTS - RTS systems can control virtually unlimited devices using LinkPro Z

Nano Roll Measurements

	Height & Depth		Max. Width		Min. Width	Max.		Light Gap
	Cassette	Cassette	Motors	Control		Width	Height	
275		8'	Manual	-	22	Up to 96	Up to 96	13/16
			Wirefree RTS	RTS	14 1/2		13/16	
			Wirefree Zigbee	Zigbee	16 1/8		Up to 144	13/16
			Low Voltage (DC)	Zigbee / RTS / 485	18 3/4		13/16	
375		10'	Manual	-	N/A	Up to 96	Up to 96	N/A
			Wirefree	RTS / Zigbee	26 3/4	Up to 120	Up to 168	7/8
			Low Voltage (DC)	RTS / 485	20 1/2		Up to 192	15/16
			Line Voltage (AC)	RTS / 485	37 1/2			
475		15'	Low Voltage (DC)	RTS / 485	37 1/8	180	146 - 192	1
			Line Voltage (AC)	RTS / 485	38	180	146 - 192	1 1/16

*Max. width & height are fabric/railroad dependent.

All the measurements listed above are in inches.

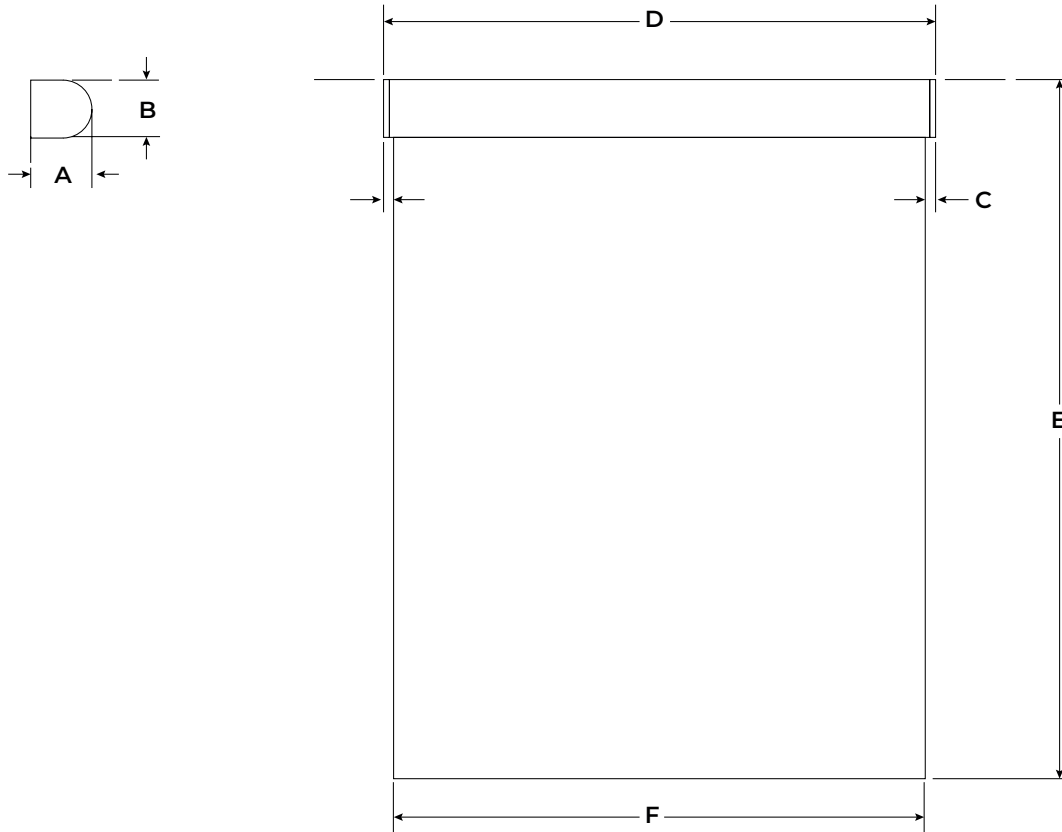
**Coupled-Additional segments can be as narrow as 15 1/2" wide

RTS - 1-Way RF Control | Zigbee - 2-Way Wireless Control / Low-voltage | 485 - 2-Way Hardwired Control

Mounting Brackets Sizes & Orientation

		Standard Orientation	Reverse Orientation
275	<p>#201117 #301560</p>	<p>End Cap 0.25" (7mm)</p> <p>0.38" (10mm)</p>	<p>Standard Bracket</p> <p>2.81" (71mm)</p>
375	<p>#301613 #301527</p>	<p>End Cap 0.25" (7mm)</p> <p>0.38" (10mm)</p>	<p>Standard Bracket</p> <p>3.38" (86mm)</p>
475	<p>#301615 #301571</p>	<p>End Cap 0.25" (7mm)</p> <p>0.38" (10mm)</p>	NA

Shade Measurements



Series	275			375		475B		475	
Motor	WF	LV	Manual	DC	AC	DC	AC	DC	AC
A	2 7/8"	2 7/8"	2 7/8"	3 7/8"	3 7/8"	5 1/8"	5 1/8"	5 1/2"	5 1/2"
B	2 1/2"	2 1/2"	2 1/2"	3 3/8"	3 3/8"	4 1/16"	4 1/16"	4 13/16"	4 13/16"
C	13/16"	13/16"	13/16"	7/8"	7/8"	1"	1"	1"	1"
D	Ordered Shade Width								
E	Ordered Shade Height								
F	Fabric Width (F - 2E)								