View Net Control Panel 6.0

The View Net Control Panel (with Class 2 outputs) houses the control components and power sources that are responsible for the operation of a View Smart Window system. The Control Panel is able to support up to 512 windows for tinting and clearing each window individually. All Control Panels are connected via fiber cables for high bandwidth communication and in a ring topology for redundancy and high reliability.

Features

- Packaged solution in a single in-wall or wall-mounted enclosure to simplify installation
- Power limited to allow Class 2 cabling for greater installation flexibility

Ordering Information

Ordering Model Number	Number of Coax Ports	Number of IGUs	Max Input Power*	Heat Load**	Input Requirements	Main Circuit Breaker Current
VN-CP-T32F	32	512[1]	1976 W	342 W	208 V, 3-phase 3-wire, 50-60 Hz, 20 A	20 Amps @ 208V
VN-CP-T32FR	32	512[1]	1976 W	342 W	240 V, Single-phase 3-wire (Split Phase), 50-60 Hz, 20 A	20 Amps @ 240V

[1] Maximum 16 devices per coax port connected to a Trunk cable.

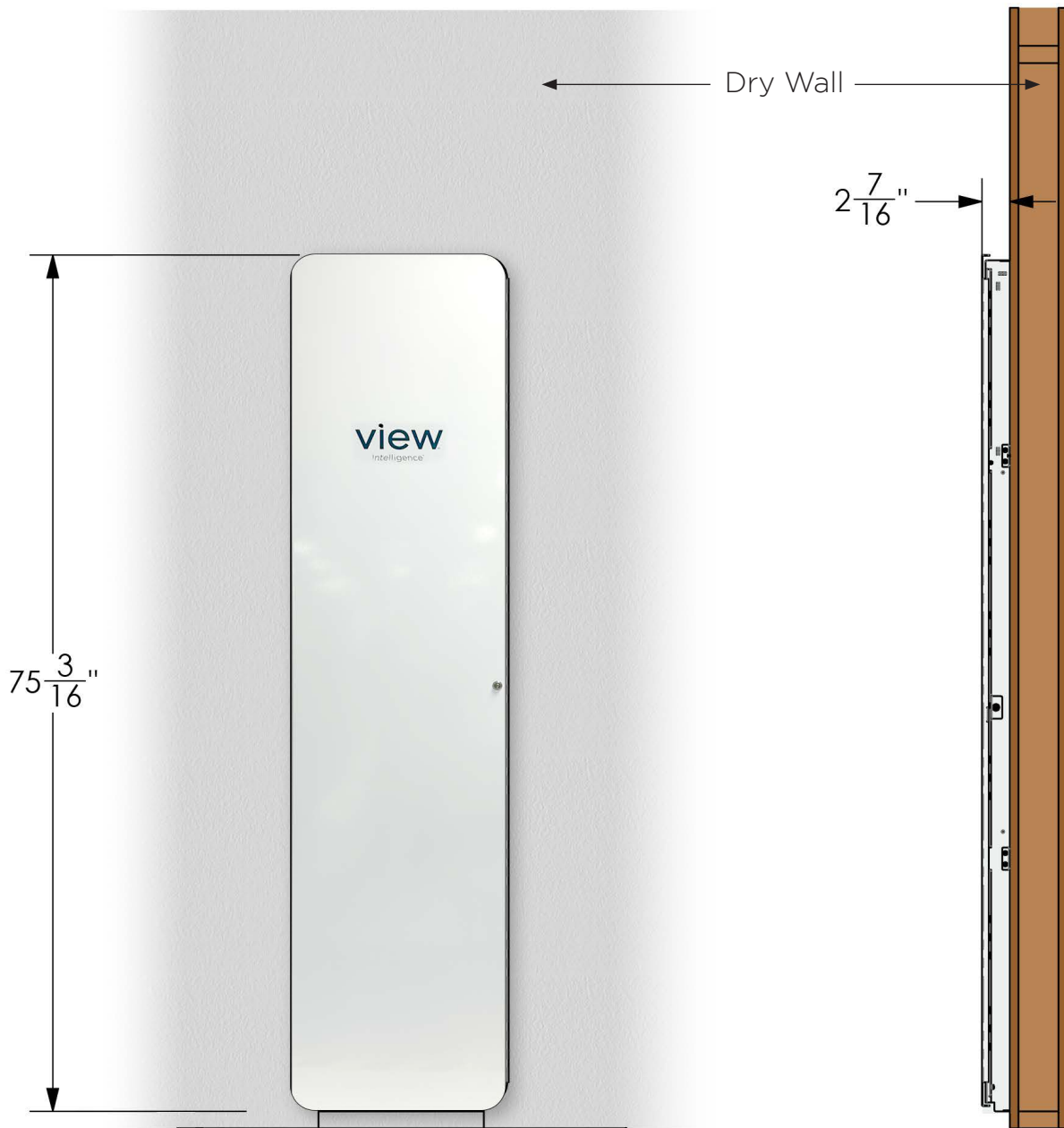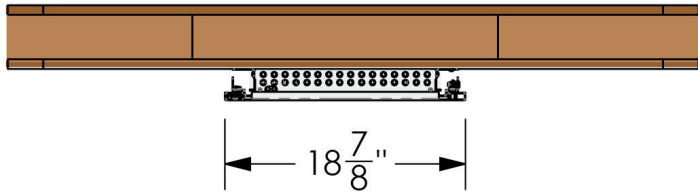* Assuming 3 Quad Network Window Controllers per Trunk at tint hold.

** Assuming 3 Quad Network Window Controllers per Trunk during tinting.
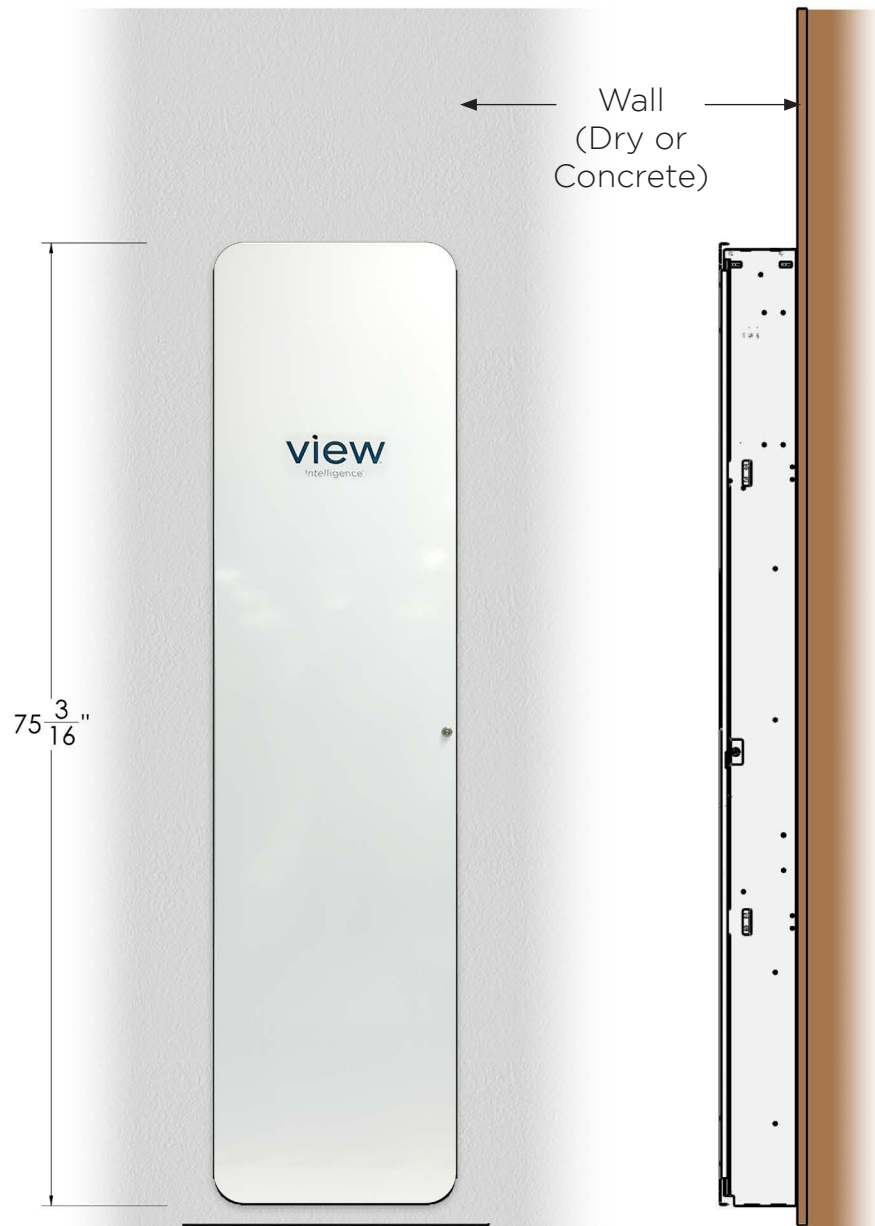
1 Watt = 3.41214 BTU/h

Control Panel Specifications

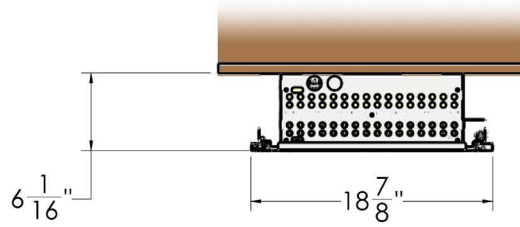|	
Input Power	Commercial: 208 V, 3-phase 3-wire, 50-60 Hz, 20 A Residential: 240 V, Single-phase 3-wire (Split Phase), 50-60 Hz, 20 A
Output Power	48 VDC @ 1.92 A, available at each coax port
Estimated Heat Output	342 W (0.10 Tons) Max, 116W (0.03 Tons) at idle. Typical duty cycle is 10-30 Mins up to 3x times per day on average at less than max loads
Enclosure	• NEMA Type 1 enclosure • 0.125" Steel • Dimensions: 18.9" (W) X 75" (H) X 6" (D)
Clearance Requirements	36" clear space in front of panel. Door can be mounted from right or left swing.
Enclosure Finish	Powder coated PMS 432 U (White)
Weight	Up to 130lbs
Mounting	In-wall or wall mounted, seismic ties. Refer to installation guide.
Operating environmental conditions	• Indoor room temperature: 5°C - 40°C • Ambient relative humidity: between 40% - 60% • Altitude: <2000 meter
Door	Compression Latch with slotted recess (option for tubular key)
Agency approvals	• UL 508A:2022 certified in United States and Canada • Line voltage components within panel are UL listed and FCC Part 15 • Class 2 circuits utilize a listed Class 2 circuit protector or Class 2 power supplies
Network Connections	• 2 ea. Optical SFP (2 RX, 2 TX), 1 ea. RJ45 LAN inter-CP connections
Other Connections	• POE port for Sky Sensor or ISP

Dimensions - In-wall mounted

$18\frac{7}{8}$"

Dry Wall

$2\frac{7}{16}$"

$75\frac{3}{16}$"

Dimensions - Wall mounted

$6\frac{1}{16}$"

$18\frac{7}{8}$"

Wall
(Dry or
Concrete)

$75\frac{3}{16}$"

view
Intelligence

Access Clearances