

Wired Smart Controller

Model: KSACN1701AAA & KSACN1701BAA

Submittal Data

Job Data: _____ Location: _____

Buyer: _____ Buyer P.O #: _____ Carrier #: _____

Unit Number: _____ Model Number: _____

Performance Data Certified By: _____ Date: _____

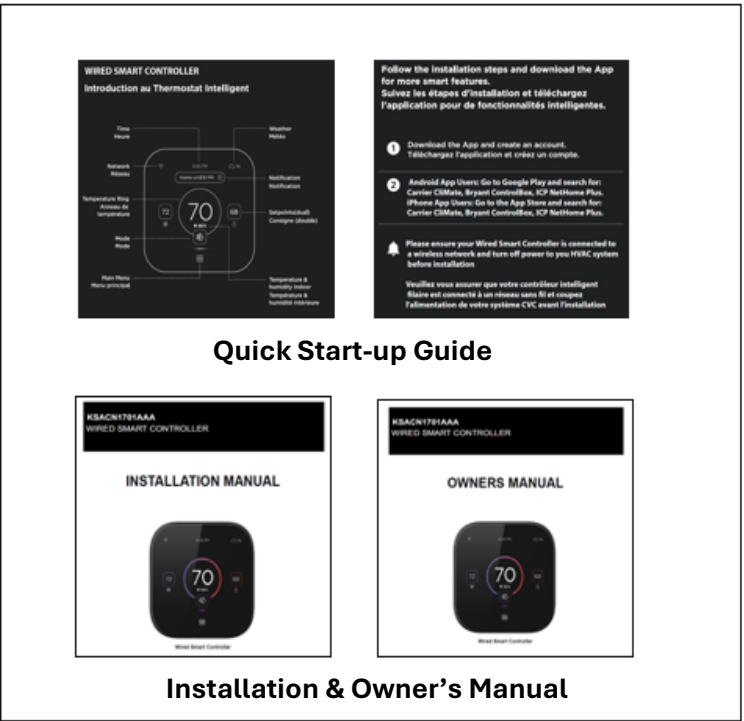


KSACN1701AAA/ KSACN1701BAA

Wired Smart Controller – Features

- Auto / Heat / Cool / Dry / Dehumidify Mode
- Built-in temperature and humidity sensor
- Comfort presets, vacation mode
- Dual Setpoint
- Emergency heat support
- Fan Control: Low / Medium / High
- Follow-me
- Freeze protection
- °F/°C selection
- iCheck diagnostic mode
- iService tools
- Large, bold 4” touchscreen display
- Motion sensor (up to 3 ft detection)
- Multiple Language Selections
- On-device and app-based scheduling
- Over-the-air (OTA) software updates
- Screen clean mode, speaker feedback
- Sensor Status
- Service menu access for technicians
- Simplified setup menus at startup
- Weather forecast
- Wi-Fi with mobile app remote control

KSACN1701AAA/KSACN1701BAA Wired Smart Controller – Included in the box



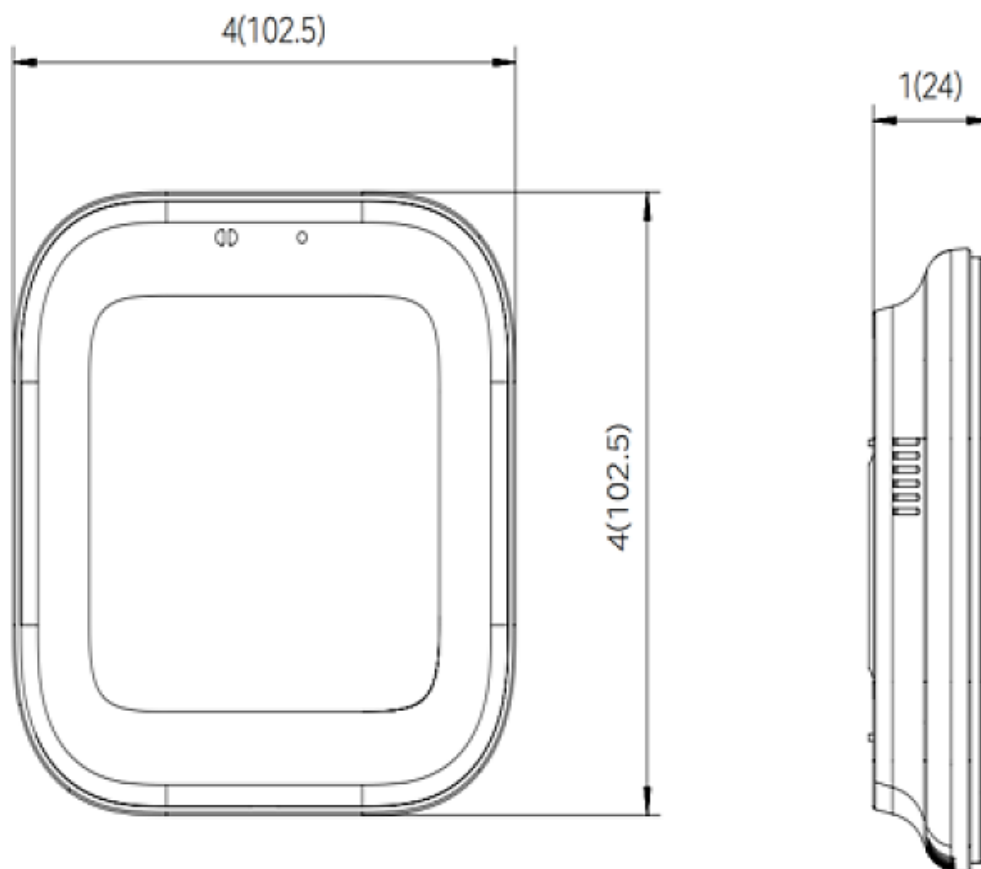
*Model KSACN1701AAA will **not** include a warranty card*
*Model KSACN1701BAA **will** include a warranty card*

KSACN1701AAA/KSACN1701BAA Wired Smart Controller – Product Information

Construction of Control:	Independently Mounted Control
Operation Method:	Type 1 Action
Pollution Degree:	2
Purpose of Control:	Operation Control
Protection Class:	I P00
Ambient operating Temperature:	32~95°F (0~35°C)
Storage Temperature:	-40~140°F (-40~60°C)

KSACN1701AAA/ KSACN1701BAA Wired Smart Controller – Dimensions

Unit: inch (mm)



KSACN1701AAA/KSACN1701BAA Wired Smart Controller- Compatibility Chart

Unit Type Single Zone and Multi-zone (Puron Advance)					
HIGH WALL				CASSETTE	
45MPHA	45MAHA	45MHHAQ	45MHHAC		45MBCA 45MCCA
*	*	*	*		* *
DUCTED	CONSOLE		AIR HANDLER		MULTI-FAMILY AHU
45MBDA	45MBFA	45MCFA	45MBAA	45MUAA/45MUHA	D5MUWA
*	*	*	●	●	●
			Crossover Coil (45MULA)		
			●		

Unit Type Single Zone and Multi-zone (Puron)					
HIGH WALL				CASSETTE	
40MPHB	40MAHB	40MHHAQ	40MHHAC	DHMOVHA	40MBC(A)Q 40MCCA
*	*	*	*	*	* *
DUCTED	CONSOLE	AIR HANDLER		Crossover Coil (40MULA)	
40MBDA/Q	40MBF(Q)A	40MUAA	40MBAB	●	
*	*	●	●		

R410A Models	
Only when paired with a 24V Interface	*
Compatible (Two-wire Connection)	●

Two-wire Direct Connection Compatibility (R454b & R410A) - No 24V Interface Required

- Ductless Multi-positional Air Handler
- Crossover Multi-positional Air Handler
- Ductless Multi-Family Air Handler
- Crossover Coil Systems (45MULA/40MULA)

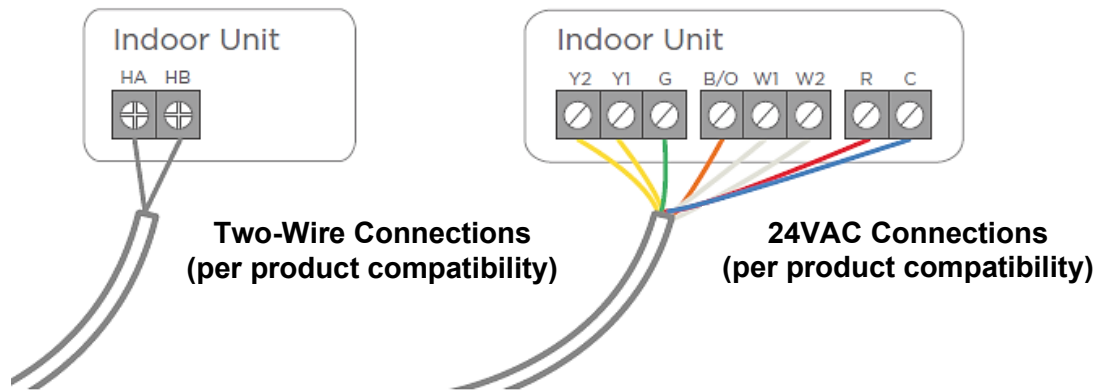
Compatibility Only With a 24V Interface – These models require a 24V Interface

- High-Walls & Floor Console
- Cassettes & Ducted
- Ceiling/Floor Consoles

Note:

Models identified as having two-wire direct connection capability are not designated solely by the presence of HA and HB connections. These models also include compatible communication software required for proper operation. Other models may have HA and HB connections, but without the required communication software are not compatible with two-wire direct connection approach and must use a 24V interface to integrate with the Wired Smart Controller for 24V control.

KSACN1701AAA/ KSACN1701BAA Wired Smart Controller – Wire Connections



KSACN1701AAA/KSACN1701BAA Wired Smart Controller – Wire Sizing

Wiring	HA & HB Connections	24VAC Connections	Max Wire Length
Size	18-2 AWG Shielded/Stranded Copper	18AWG Thermostat Wire	66ft (20m)

KSACN1701AAA/KSACN1701BAA Wired Smart Controller – Terminals

Terminal	Description
HA, HB	Communication non-polarity
R/RC	Cooling Power
Rh	Heating Power
Y1, Y2	1-2 stages of AC or 1-2 stages of heat pump compressor
W1, W2	1-2 stages of heat or 1-2 stages of auxiliary heat with heat pump
C	24VAC Common
G	Fan
O/B	Heat pump reversing valve

Wired Smart Controller: Additional details are provided in the installation and owner’s manuals.

24V Interfaces: Refer to the installation manual for 24V interface installation instructions. See the 24V interface submittals for compatible model listings with the 24V interface.