



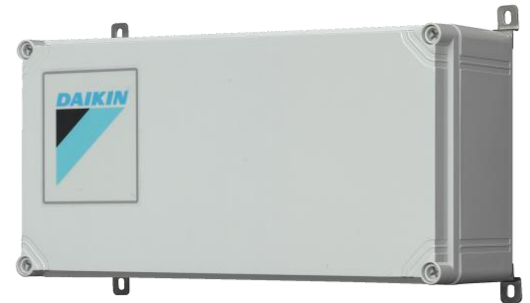
## Submittal Data Sheet

AHU Integration Kit – Z-Control Box  
EKEQMCAV3-US

### DESCRIPTION

Allows for connection and control of non-VRV air handling equipment to Daikin VRV condensing units.

EKEQMCAV3-US controls the EKEXV\_-US expansion valve kit using standard VRV indoor unit control via return air temperature (*Z-control*). Each EKEQMCAV3-US can be paired with one EKEXV expansion valve kit.



### FEATURES

- PID expansion valve control
- Compatible with Heat Pump and Heat Recovery VRV systems
- Mix and match with other VRV indoor units on the same system
- Weather resistant enclosure suitable for outdoor installation
- Compatible with standard VRV indoor unit controllers
- Centralized control capability via Itouch Manager (DCM601A71)

### SPECIFICATIONS

<b>Model No.</b>	EKEQMCAV3-US
<b>Control Type</b>	Z-Control
<b>Power Supply</b>	208-230VAC / 1Φ / 60 Hz
<b>Height (in.)</b>	5 - 13/64"
<b>Width (in.)</b>	15 - 3/4"
<b>Depth (in.)</b>	9 - 3/8"
<b>Weight (lb.)</b>	8.0 lb
<b>Casing Material</b>	Carton / EPS / Plastic
<b>Design Ambient Temperature</b>	14°F - 104°F
<b>Certifications</b>	UL1995

### VRV SYSTEM COMPATIBILITY

<b>VRV IV (RXYQ_TA*)</b>	✓
<b>VRV IV (RXYQ_T*)</b>	✓
<b>VRV Aurora (RXLQ_TA*)</b>	✓
<b>VRV IV (REYQ_XA*)</b>	✓
<b>VRV IV (REYQ_TA*)</b>	✓
<b>VRV IV (REYQ_T*)</b>	✓
<b>VRV Aurora (RELQ_TA*)</b>	✓
<b>VRV T Series (RWEQ_TA*)</b>	✓
<b>VRV-WIV (RWEYQ_PC*)</b>	✓
<b>VRV-IVS (RXTQ_TA)</b>	✓

\*All voltages are compatible

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**EKEQMCB**

① Four holes to affix control box  
 ② Control box lid  
 ③ Conduit opening for power supply cable  
 ④ Conduit opening for expansion valve cable  
 ⑤ Conduit opening for thermistor cable (liquid) R2T + (gas) R3T  
 ⑥ Conduit opening for fan  
 ⑦ Conduit opening for connection cable to controller  
 ⑧ Stopper (closing cup)  
 ⑨ Conduit opening for communication cable to outdoor unit  
 ⑩ Conduit opening for connection cable to controller  
 ⑪ Conduit mounting plate

**NOTES**

- Installation:**  
 Make sure that the control box is installed horizontal. Screw nuts position downwards.  
 The option boxes (expansion valve and electrical control box) can be installed inside and outside.  
 Do not install the option boxes in or on the outdoor unit.  
 Do not put the option boxes in direct sunlight. Direct sunlight will increase the temperature inside the option boxes and may reduce its lifetime and influence its operation.  
 Choose a flat and strong mounting surface.  
 Operation temperature of the control box is between - 14°F (-10°C) and 104°F (40C)
- Service space:**  
 Keep the space in front of the boxes free for future maintenance.

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