

**ATTENTION ALL CONTRACTORS**



Refrigeration equipment manufacturers are moving to lower head pressures to meet Department of Energy efficiency standards for 2020.

When pairing new condensing units with existing unit coolers, the existing **mechanical valves will NOT work properly** while the condensing unit is running at lower head pressure, such as during low ambient conditions. Mechanical valves are not designed to function over such a wide operating range, and as a result, will be grossly undersized during low ambient operating conditions.

**KE2 Therm is making the transition easy**.....

**Just get the kit!** <.....

**KE2 Temp + Valve**  
Air Defrost Controller



**KE2 RSV**  
Electronic Expansion  
Valve (EEV)

**Flexible**  
RSVs control over a wide operating range & refrigerants

**Convenient**  
No transformer, no timeclock, no thermostat needed for air defrost

**Simple**  
No complicated programming

**Improved**  
Valve control and reliability with an RSV

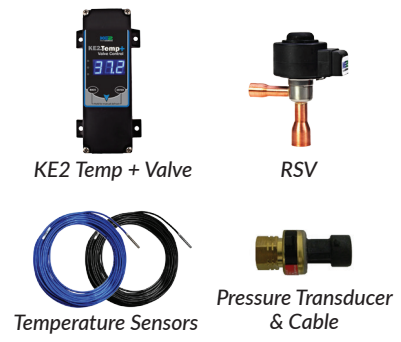


## One box has it all.

The KE2 Temp + Valve controller in combination with the KE2 RSV Electronic Expansion Valve (EEV) can handle a much wider range of operating conditions, providing optimal control, even during low head pressures.

The KE2 EEV Retrofit Kit includes all the KE2 Therm products in one box that you'll need to retrofit an evaporator with an EEV. So, now you can easily retrofit existing evaporators for use with new, efficient condensing units.

Use the KE2 EEV Retrofit Kit to realize all the benefits of EEV performance, without the hassle.



### KE2 Temp + Valve Earns Industry Award

KE2 Therm's award winning product line earned a 6th industry award. This time the KE2 Temp + Valve controller was recognized for excellence in product design, earning a Bronze Award in the Commercial Controls category in the 15th annual Dealer Design Awards Program, sponsored by The Air Conditioning Heating & Refrigeration News magazine, a leading trade magazine in the refrigeration industry.

An independent panel of industry contractors acted as judges for the contest, selecting the winning products based on their ability to improve the installation, service, and maintenance of HVACR equipment. ■

## Some additional benefits of the KE2 Retrofit Kit:

- **No transformer necessary** – the KE2 Temp + Valve controller runs off of 120V or 208V-240V, available right at the evaporator.
- **No complicated programming** – NO setpoints required for air defrost R-404A systems, simply power up and go. Less than a minute to setup for R-448A, R-449A, R-407C and R-407A.
- **Replaces thermostat** – the KE2 Temp + Valve can serve as the thermostat for the space, providing state-of-the-art digital control & easy to read blue LED display.
- **Replaces timeclock for air defrost** – for air defrost units, no external time-clock needed. Simply tell the controller how long and how many times a day to defrost – you're all set.
- **No complicated selection** - check the chart below, or on the box, for the capacity range for each valve.

RSV Selection Table

Retrofit Kit	Valve	R-404A	R-448A, R-449A, R-407C, R-407A
PN 21744	RSV-130 3/8" x 1/2" ODF w. 10'	¼ to ¾ ton	¼ to 1 ton
PN 21745	RSV-220 3/8" x 1/2" ODF w. 10'	¾ to 1 ½ ton	¾ to 2 ¼ tons
PN 21746	RSV-320 3/8" x 1/2" ODF w. 10'	1 ½ to 2 tons	1 ½ to 3 ¼ tons
PN 21821	RSV-400 5/8" x 7/8" ODF w. 15'	2 to 4 ½ tons	3 to 7 tons

## The KE2 Therm Advantage

**Experienced & knowledgeable at EEV control** - KE2 Therm has promoted EEV use in the industry for years, and our controllers are applied on thousands of applications with electronic valves - that experience is represented in superior valve control and reliability.

**Communications made easy** – Run the controller stand-alone, or add e-mail & text alerts, data logging, graphs, remote monitoring & control easily with a KE2 EM35. Never before has the power of modern communications been made so easy for the refrigeration contractor, provided by KE2 Therm.

**Tech Support** – We know trying something new for the first time is stressful, that's why KE2 Therm has always made great tech support a priority. Whether refrigeration or communications, we've got your back.

For more information, visit our website at:  
[www.ke2therm.com](http://www.ke2therm.com)  
 or visit our YouTube channel at:  
[youtube.com/ke2therm](https://www.youtube.com/ke2therm)