

·EKEA· temperature control types

Temperature control types	Description	Control parameter				Components for control	
		Td	Ts	Tr	Te	DDC (field supply)	Daikin Remote Control
X control Precise control of air temperature (Td, Ts or Tr) by means of external device (DCC controller)	Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller translates the temperature difference between setpoint and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (-0-10-V). This is transferred to the Daikin control box (·EKEA·). This reference voltage will be used by ·EKEA· as an input value for the compressor frequency control. This type of control is allowed only for pair and multi configuration.	○	○	○	-	○	△ (1)
Y control Control of evaporating and condensing temperature (Te and Tc) via field setting on Daikin remote control (no DCC needed)	A fixed target evaporating/condensing temperature can be set by the customer via onsite settings. In this case, room temperature is indirectly controlled. The cooling load is determined from the actual evaporating temperature. This type of control is allowed only for pair and multi configuration.	-	-	-	○	△	△ (1)(2)
Z control Control of air temperature (Ts or Tr) by Daikin control (no DCC needed)	The setpoint can be set via either Daikin remote control or external voltage input (-0-10-V). The cooling/heating load is determined based on the temperature difference between the air suction temperature (or room temperature) and the setpoint. This type of control is allowed for pair, multi and mix configuration.	-	○	○	-	△ (4)	△ (1)(3)
Z' control Discharge temperature control with Daikin controller (no DCC needed)	The setpoint can be set via Daikin remote onsite setting. The cooling/heating load is determined based on temperature difference between air discharge temperature and setpoint. This type of control is allowed for pair, multi and mix configuration.	○	-	-	-	△	△ (1)(3)