





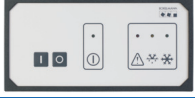
E*LDS for systematic cooling

UA 300 Family - Application and nomenclature

UA 300 Family	Type	Controller Type	Application
Universal Controller for thermostatic expansion valves (TEV)	UA 300 AC UA 300 CC UA 300 TC UA 300 CS UA 300 TS UA 300 CB UA 300 TB	UA 111	Multidecks without defrost heater
		UA 111 D	Multidecks without defrost heater, with Twin compressor unit
		UA 121	Normal-temperature refrigeration (multidecks, islands, wallsides, counters) with defrost heater, max. 2 elements with heater
		UA 131	Low-temperature refrigeration (islands, wallsides, verticals, combinations) with defrost heater, NT display cases with defrost heater (with/without fan control)
		UA 131 LS	Low-temperature refrigeration (islands, wallsides, verticals, combinations) with defrost heater, NT display cases with defrost heater (with advanced fan control)
		UA 131 DD	Special type of controller designed for application in refrigerated display cases operating on a refrigeration system using two-pipe discharge gas defrosting. Beginning with V2.20, replaces UA 131 A controller, suitable for LT islands with Twin compressor unit.
		UA 141	Service counters without defrost heater
		UR 141 NK	NT coldrooms without defrost heater
		UR 141 TK	NZ/LT-coldrooms with defrost heater and discharge gas defrosting
		Discount Controller for thermostatic expansion valves (TEV)	UA 300 D AC UA 300 D CC UA 300 D AS
UX 111 XP	This mode corresponds largely to the UA 111 controller but has a different temperature sensor grouping, namely 8 for supply air and 2 for return air, and the capability of controlling a refrigeration pack equipped with up to 3 compressors as a function of pressure.		
UR 141	This mode corresponds largely to the UR 141 LT and UR 141 NT controller but has one NT zone and one LT zone.		
Controller for Electronic Expansion Valves (EEV)	UA 300 E AC	UA 121 E	Normal-temperature (NT) refrigeration (multidecks, islands, wallsides, counters) with defrost heater
		UA 131 E	Multidecks without defrost heater Low-temperature (LT) refrigeration (islands, wallsides, verticals, combinations) with defrost heater Display cases supplied by refrigeration system using two-pipe discharge gas defrosting
		UA 131 E LS	Like UA 131 E, but with advanced fan control
		UA 141 E	Service counters with/without defrost heater
		UR 141 NE	NT coldrooms with/without defrost heater
		UR 141 TE	LT coldrooms with/without defrost heater and discharge gas defrosting
		UK 100 E	Sub Cooler Controller with special features for Refrigerant Sub Cooler controlling
Temperature Data Logging Controller	UA 300 L AC UA 300 L CC	UA 300 L	Temperature Data Logging Controller up to 10 sensors (complies with EU 37/2005 Regulation). Control and defrost options are available for the first 5 temperature sensors as well as the recording function, meaning that a total of 5 refrigeration points (display cases or coldrooms) can be controlled independently.

Example: Cas Controller UA 300 E AC for electronic expansion valves, with CAN bus connection and integral Real Time Clock (RTC), for cap rail mounting

UA 300 E AC

Design		
B	Cap rail mounting (with integral Operator Interface)	
C	Cap rail / DIN Rail mounting	
S	Panel mounting / Switchbox	
Type		
A	All-in-one	A = C + T
C	CAN-Bus	For CAN bus connection
T	Timer	With integral Real Time Clock - for stand alone operation