



The built-in configuration assistant in the electronic controllers in the Darwin series automatically configures the main parameters according to the application type you have selected. You can carry out the configuration the first time you connect the controller to the power supply or after resetting the device.



Simply select the most suitable option for your system:

Options	Variable parameters					
	SP	d0	d1	F0	F3	P0
1: Miscellaneous	2°C	4	20	8°C	1	0
2: Frozen food products	-18°C	4	20	0°C	0	0
3: Fruit and vegetables	10°C	4	20	30°C	1	0
4: Fresh fish	0°C	4	20	8°C	1	0
5: Soft drinks	3°C	24	20	8°C	1	0
6: Bottle racks	12°C	24	20	30°C	1	0
7: Climate	21°C	96	0	99°C	1	0
8: Heat/Incubators	37°C	-	-	-	-	1

NOTE: The standard parameters according to the type of application have been set for the most frequently used application. Check the parameters to see if they match your system.

- SP:** Set point setting (threshold values depending on sensor type)
- d0:** Defrosting frequency (in hours)
- d1:** Maximum defrost duration (in minutes)
- F0:** Fan lock temperature by sensor
- F3:** Status of the fan during defrosting, 0=stopped, 1=in operation
- P0:** Default setting for function types, i.e. how the temperature of the controller is regulated;
0=direct mode, cooling applications, 1=reverse mode, heating applications

Simple initial configuration

Ideal as a replacement device



Figure	GEV No.	AKO No.	Compressor Relay AC1(AC3)	Defrost Relay	Fan Relay	Programmable, Alarm Relay, Light Relay, Auxiliary Relay	Probe Type (Controller)	Probe Type (Defrost)	Digital Input 1	Digital Input 2	Supply	Buzzer	Real Time Clock	Communication	Built-in Depth (mm)	Mounting Measures (mm)	Probe in scope of delivery
1	379408	AKO-D14125	NO-12A(9)	--	--	--	NTC/PTC	--	--	--	230VAC	--	--	--	43	71x29	--
1	379460	AKO-D14123	NO-12A(9)	--	--	--	NTC/PTC	--	--	--	230VAC	--	--	--	43	71x29	1x NTC
2	379591	AKO-D14112	CO-12A(9)	--	--	--	NTC/PTC	--	--	--	12/24VAC/DC	--	--	--	61	71x29	1x NTC
2	379507	AKO-D14123-2	CO-16A(10)	--	--	--	NTC/PTC	NTC/PTC	--	--	230VAC	--	--	--	61	71x29	1x NTC
2	378424	AKO-D14123-2-RC	CO-16A(10)	--	--	--	NTC/PTC	NTC/PTC	--	--	90-240VAC	--	x	RS485	61	71x29	1x NTC
2	379797	AKO-D14212	CO-12A(9)	--	--	CO-8A(4)	NTC	NTC	x	x	12/24VAC/DC	--	--	--	61	71x29	1x NTC
2	379314	AKO-D14223	CO-12A(9)	--	--	CO-8A(4)	NTC	NTC	x	x	230VAC	--	--	--	61	71x29	1x NTC
2	379742	AKO-D14312	CO-12A(9)	--	NO-5A(4)	NO-8A(4)	NTC	NTC	x	x	12/24VAC/DC	--	--	--	61	71x29	1x NTC
2	379514	AKO-D14323	CO-12A(9)	--	NO-5A(4)	NO-8A(4)	NTC	NTC	x	x	230VAC	--	--	--	61	71x29	--
2	379456	AKO-D14323	CO-12A(9)	--	NO-5A(4)	NO-8A(4)	NTC	NTC	x	x	230VAC	--	--	--	61	71x29	1x NTC
2	378425	AKO-D14323-C	CO-12A(9)	--	NO-5A(4)	NO-8A(4)	NTC	NTC	x	x	90-240VAC	--	--	RS485	61	71x29	1x NTC
2	379737	AKO-D14412-RC	NO-5A(4)	NO-5A(4)	NO-5A(4)	NO-5A(4)	NTC	NTC	x	x	12/24VAC/DC	--	x	RS485	61	71x29	1x NTC
2	378426	AKO-D14423	NO-5A(4)	NO-5A(4)	NO-5A(4)	NO-5A(4)	NTC	NTC	x	x	230VAC	--	--	--	61	71x29	1x NTC
2	379508	AKO-D14423-RC	NO-5A(4)	NO-5A(4)	NO-5A(4)	NO-5A(4)	NTC	NTC	x	x	90-240VAC	--	x	RS485	61	71x29	1x NTC
3	378310	AKO-D10123	CO-12A(9)	--	--	--	NTC/PTC	--	--	--	230V	--	--	--	43	136x29	1x NTC
3	378427	AKO-D10223	CO-12A(9)	--	--	CO-8A(4)	NTC	NTC	x	--	230VAC	--	--	--	61	136x29	1x NTC
3	379811	AKO-D10323	CO-12A(9)	--	NO-5A(4)	NO-8A(4)	NTC	NTC	x	--	230V	--	--	--	61	136x29	1x NTC

Very high inductive power
9 or 10 amps