

## Compact<sup>eco</sup> controllers: Ketterer basic presettings (fixed and optionally changeable)

All Ketterer drives can be controlled with Compact<sup>eco</sup> controllers which are programmed with a motor-specific file. This file contains the operation limits of the motor such as current consumption and speed, which enable safe operation of the overall system.

The controller variants matched to the motors can be found in the table below:

Control box	Description	drives for use with
1000.49-01 / Compact-3-KTS-4630-EU	one to three motors parallel	(3143, 3146, 3180, 4114, 4630, 4640, 4701, 4773, 4774) *
1000.49-02 / Compact-3-2-KTT-4630-EU	two motors synchronous	
1000.49-11 / Compact-3-KTS-4630-US	one to three motors parallel	
1000.49-12 / Compact-3-2-KTT-4630-US	two motors synchronous	
1000.49-03 / Compact-3-KTS-3130-EU	one to three motors parallel	(3120, 3121 3130, 3131) **
1000.49-04 / Compact-3-2-KTT-3130-EU	two motors synchronous	
1000.49-13 / Compact-3-KTS-3130-US	one to three motors parallel	
1000.49-14 / Compact-3-2-KTT-3130-US	two motors synchronous	
1000.49-05 / Compact-3-KTS-3122-EU	one to three motors parallel	3122 **
1000.49-06 / Compact-3-2-KTT-3122-EU	two motors synchronous	
1000.49-15 / Compact-3-KTS-3122-US	one to three motors parallel	
1000.49-16 / Compact-3-2-KTT-3122-US	two motors synchronous	
1000.49-09 / Compact-3-KTS-3133.00-EU	one to three motors parallel	3133 **
1000.49-10 / Compact-3-2-KTT-3133.00-EU	two motors synchronous	
1000.49-19 / Compact-3-KTS-3133.00-US	one to three motors parallel	
1000.49-20 / Compact-e-3-2-KTT-3133.00-US	two motors synchronous	
1000.49-07 / Compact-e-3-KTS-3133.48-EU	one to three motors parallel	3133.48**
1000.49-08 / Compact-e-3-2-KTT-3133.48-EU	two motors synchronous	
1000.49-17 / Compact-e-3-KTS-3133.48-US	one to three motors parallel	
1000.49-18 / Compact-e-3-2-KTT-3133.48-US	two motors synchronous	

All controllers are delivered with the basic presettings described below. Some are fixed, while others can optionally be changed at the customer's request:

<b>Direction of rotation of the motor</b> <u>Standard setting: "clockwise"</u>  The recommended mounting direction of the motor is to be taken from the motor drawing	Optional: "counter-clockwise"
<b>Reset At First Use</b> <u>Standard setting: "On"</u>  A reference run is necessary when starting up for the first time	
<b>Reset Every Power ON</b> <u>Standard setting: "Off"</u>  No reference run is necessary when starting up	Optional: "On"  A new reference run is always necessary when

<p>after a power failure</p> <p><b>Cascading</b> Standard setting: "On"</p> <p>The controller is enabled as a "slave" for this function. <b>Please note:</b> a "master controller" needs special programming</p>	<p>starting up after a power failure</p> <p>Optional: "Off"</p>
<p><b>Manual switch display</b> Standard setting: "cm"</p>	<p>Optional: "inch"</p>
<p><b>S7 service mode</b> Standard setting: "On"</p> <p>Calibration of the end position area is enabled. Controller can be reprogrammed on site.</p>	
<p><b>Calibration Down</b> Standard setting: "must drive down and up on block"</p> <p>"Drive up on block" during the calibration mode and confirm with the S-button.</p>	<p>Optional: "must drive up on block" or "must drive down on block"</p>
<p><b>Low Speed Area</b> Standard setting: "Each file is programmed for a specific motor"</p> <p>Speed and stroke are changed before reaching the end position, depending on the setting.</p>	
<p><b>Plug Detection</b> Standard setting: "On"</p> <p>The controller detects whether a motor is plugged into the respective socket.</p>	
<p><b>Duty cycle monitoring</b> Standard setting: "2 min on, 18 min off"</p> <p>Causes the motor controller to be out of service for a defined time after reaching a defined duty cycle. <b>Please note:</b> the duty cycle of the motor guides the system.</p>	<p>Optional: The duty cycle can be changed. However, this is only done in exceptional cases and at the customer's request.</p>