


Quick guide for commissioning of swing gates DAAB CONTROL UNIT EP104 V4.08

 The unit may only be connected by a qualified electrician, who accepts responsibility for ensuring that the electric connections have been carried out in accordance with the applicable standards and this instruction manual. Always disconnect the power supply when work is carried out in the control cabinet. Anyone commissioning the EP104 must have documented familiarity with and understanding of its functions, as well as experience of commissioning control systems for the application to be used. For complete instructions refer to instruction manual for EP104 as well as other documentation included in the delivery



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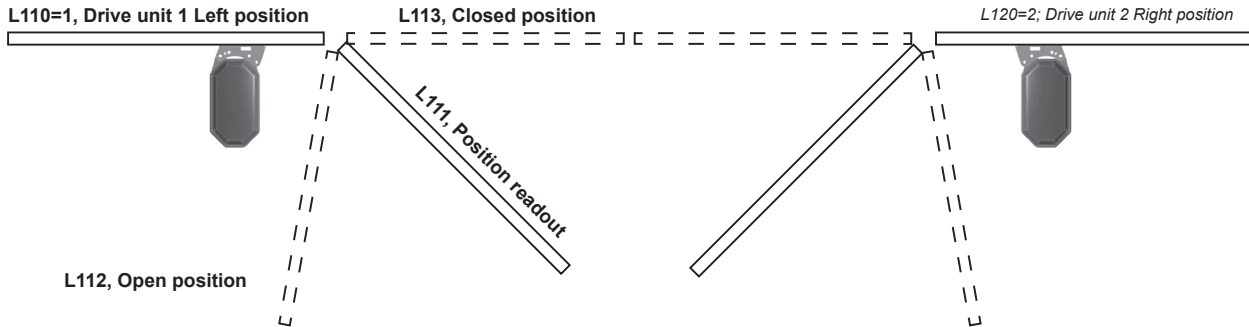
- Prerequisites

The electrical installation is complete and drive units should be disengaged from the drive arm. Operate only one drive unit at a time and start with drive unit 1. The type of motor power in C202 is set to 0, 3x400V with neutral. Limit switches must be of encoder type. View mode channel C999 set to 2. The indicators STOP and SAFE are lit green.

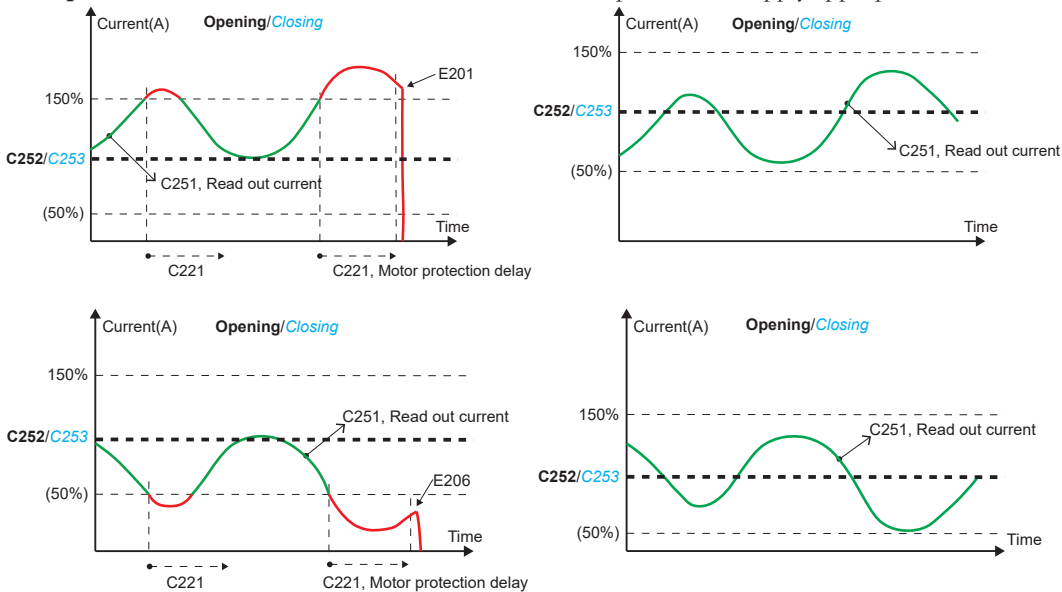
- Commissioning of drive unit 1

Direction of movement: Set L001 to 4, hold-to-run without limit switches. Check that the drive arm mounting is moving in the right direction while pressing OPEN or CLOSE button on the control board. If the direction of movement is wrong, see section "Connections" in the "Instruction Manual EP104".

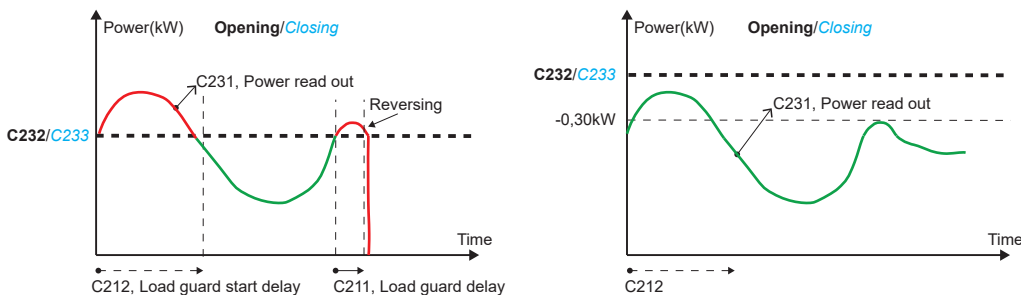
Open and closed position: Engage gate leaf of drive unit 1 and set the positions for open and closed. After this is done L001 should be set to 1, Encoder.



Motor protection: Read out motor current in C251 under operation and apply appropriate values in C252 and C253.



Load guard: Set C999 to 3. A swing gate application usually does not require personal protection, if so C230 is set to 0.00. Set C033 to 3, impulse, to activate the load guard. Make sure that the settings of the C232 and C233 is low enough to prevent material damage, but at the same time that it is guaranteed to open due to weather, wind and mechanical changes.



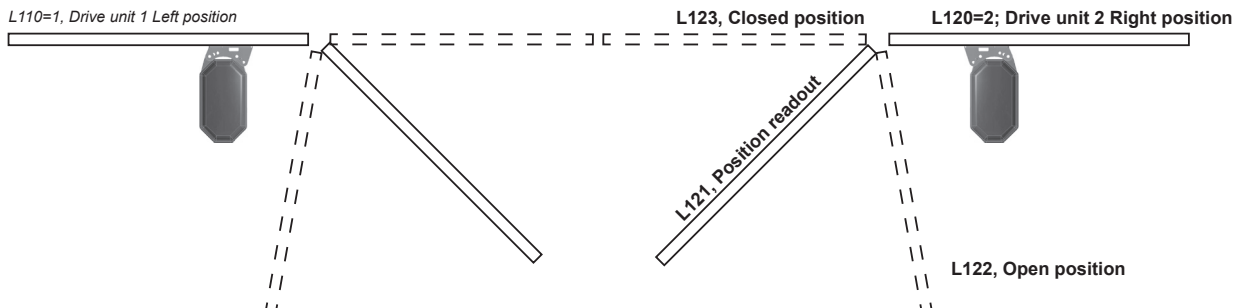
Safety edges: Check the safety edges on gate leaf 1 by pressing the safety edges during movement. Please note that the safety function in opening direction is switched off in C131. If the safety edges are activated during closing movement the gate should reverse to fully opened position, while in opening movement it should reverse to closed position during the time in C494. A flashing indication at SE.C1 or SE.O1 means that the safety edge was activated but no longer is.

• Commissioning of drive unit 2

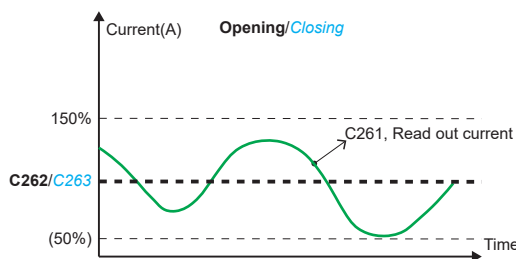
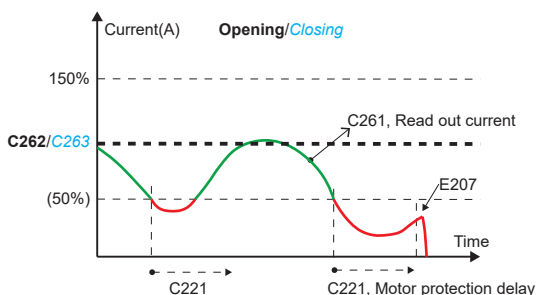
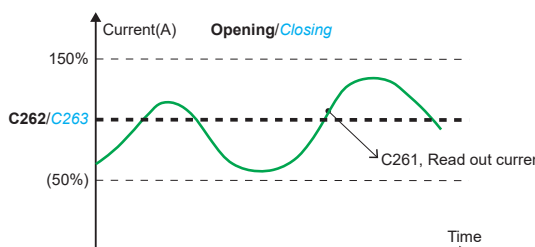
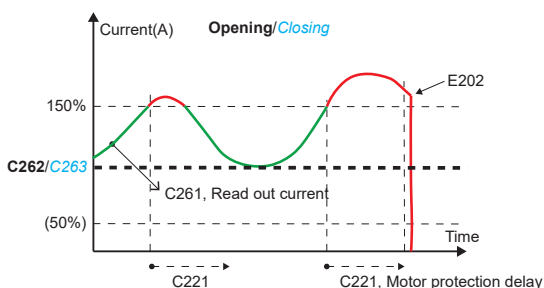
Preparation: Open gate leaf 1 and set L001 to 0 to maintain the gate leaf in open position. Set C033 to 5, Service mode.

Direction of movement: Set C999 to 2. Set L002 to 4, hold-to-run without limit switches. Check that the drive arm mounting is moving in the right direction while pressing OPEN or CLOSE button on the control board. If the direction of movement is wrong, see section "Connections" in the "Instruction Manual EP104".

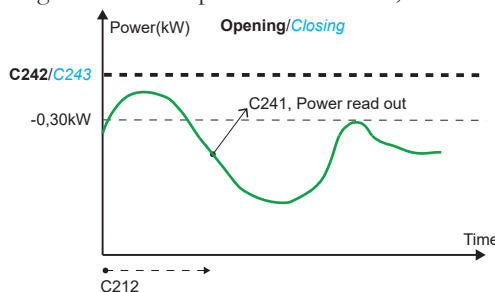
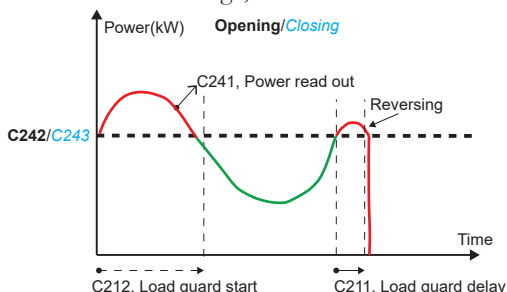
Open and closed position: Engage gate leaf of drive unit 2 and set the positions for open and closed. After this is done L002 should be set to 1, Encoder.



Motor protection: Read out motor current in C261 under operation and apply appropriate values in C262 och C263.



Load guard: Set C999 to 3. A swing gate application usually does not require personal protection, if so C240 is set to 0.00. Set C033 to 3, impulse, to activate the load guard. Make sure that the settings of the C242 and C243 is low enough to prevent material damage, but at the same time that it is guaranteed to open due to weather, wind and mechanical changes.



Safety edges: Check the safety edges on gate leaf 2 by pressing the safety edges during movement. Please note that the safety function in opening direction is switched off in C141. If the safety edges are activated during closing movement the gate should reverse to fully opened position, while in opening movement it should reverse to closed position during the time in C494. A flashing indication at SE.C2 or SE.O2 means that the safety edge was activated but no longer is.

Completion: Set C999 to 0, view all channels. Set L001 to 1, Encoder and fine-tune both gate leaf's in closed position using L113 and L123.

Use channel C999 to look for changed channels and enter all changed channels in the "Instruction Manual".



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