


Quick guide for commissioning of swing gates DAAB CONTROL UNIT EP105

 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 EP105 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 EP105 as well as other documentation included in the delivery



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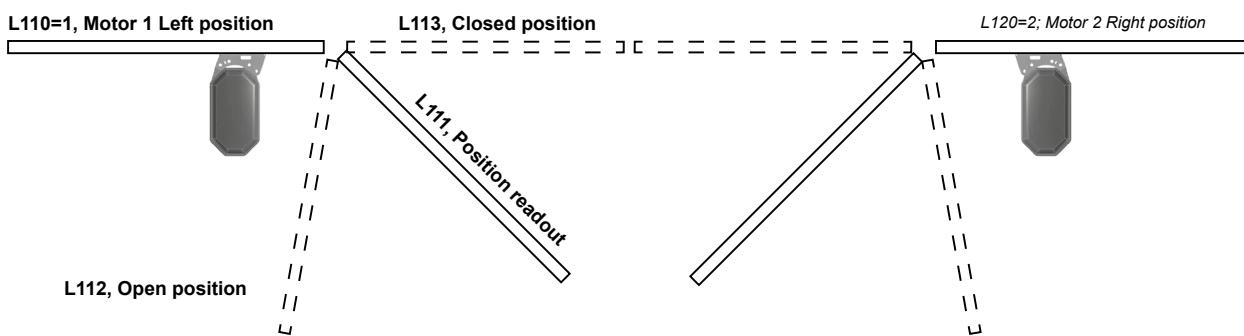
• Conditions

Electrical installation has been carried out and drive units are disconnected. Commission one drive unit at a time only and start with drive unit 1. The supply voltage in C2020 is set to 0, 3x400V with neutral. The limit switch is of the encoder type. The display channel C999 is set to 2. The indications for safety edge are unlit. The indications for photocell, stop circuit and 24V are lit green.

• Commissioning of drive unit 1

Direction of movement: Start L001 to 4, hold-to-run without limits. Check that the motor arm attachment is running in the right direction by pressing the OPEN or CLOSE buttons on the automatic control unit. For change of direction of rotation, see section on Connection in EP105 Instruction Manual.

Open and closed position: Connect the gate half to drive unit 1 and enter the positions for open and closed. After this, L001 is set to 1, encoder.



Motor protection: Read the motor current during operation in C251 and enter this value in C252 for opening and in C253 for closing. E201 means that the entered value is set too low. E206 means that the entered value is set too high.

Load guard: Set C999 to 3. In a hinged gate application personal protection is not normally required, and C230 is set to 0.00. Set C033 to 3, pulse to activate the load guard. After the load guard has tripped, the indication M1 flashes and the message n071 or n072 is shown on the display and in the error code list in C903. Check that the setting in the load guard in C232 and C233 is just high enough not to cause material damage, but at the time is so high that it is guaranteed to open depending on weather conditions and mechanical changes.

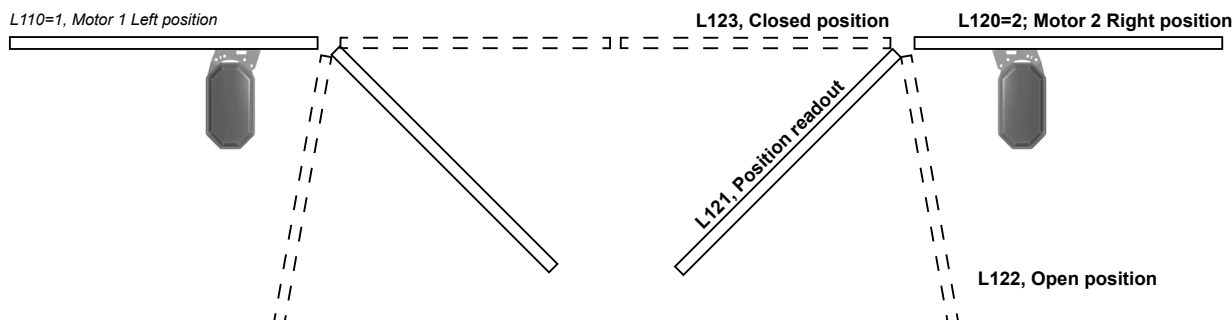
Safety edges: Check the safety edges on gate half 1 by pressing on the safety edges during movement. Note that safety edge function in opening is closed in C131. In activated safety edge during closing, the gate must reverse to the fully open position, while in opening it must reverse to closed position during the time in C494. Flashing indication for SE.C1 or SE.O1 means that the safety edge has been activated, but is now disabled.

• Commissioning of drive unit 2

Preparations: C999 is set to 2. Open half 1 and set L001 to 0 to keep drive unit 1 in open position Set C033 to 5, service position.

Direction of movement: Start L002 to 4, hold-to-run without limits. Check that the motor arm attachment is running in the right direction by pressing the OPEN or CLOSE buttons on the automatic control unit. For change of direction of rotation, see section on Connection in EP105 Instruction Manual.

Open and closed position: Connect the gate half to drive unit 2 and enter the positions for open and closed After this, L002 is set to 1, encoder.



Motor protection: Read the motor current during operation in C261 and enter this value in C262 for opening and in C263 for closing. E202 means that the entered value is set too low. E207 means that the entered value is set too high.

Load guard: C999 is set to 3. In a hinged gate application personal protection is not normally required, and C240 is set to 0.00. Set C033 to 3, pulse to activate the load guard. After the load guard has tripped, the indication M2 flashes and the message n073 or n074 is shown on the display and in the error code list in C903. Check that the setting in the load guard in C242 and C243 is just high enough not to cause material damage, but at the time is so high that it is guaranteed to open depending on weather conditions and mechanical changes.

Safety edges: Check the safety edges on gate half 2 by activating the safety edges during movement. Note that safety edge function in opening is closed in C141. In activated safety edge during closing, the gate must reverse to the fully open position, while in opening it must reverse to closed position during the time in C494. Flashing indication for SE.C2 or SE.O2 means that the safety edge has been activated, but is now disabled.

Additional boards: Set C999 to 4. Channels C702 to C712 show or hide channels for additional boards. If e.g. DB407, Output board, to be used set C707 to 1

Finishing: Set C999 to 0, display of all channels Set L001 to 1, encoder and make find adjustments to the gate halves in closed position using L113 and L123. Note all channels in EP105 Instruction Manual and the Log Book.



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