

WGC02 → WGC01 Replacement

Panel cut-out and enclosure comparison

Ref. **TB-WGC01-01** Rev. **A**
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The WGC02 is discontinued and the WGC01 replaces it. **Electrically the two are interchangeable** — same 24 V DC supply, same dual analog sensor input, same six-channel digital I/O, same RS485 Modbus-RTU — so your existing sensors, actuator and wiring are re-used as they are. **Two things change mechanically:** the body is 1 mm larger, so the cut-out grows from 111 × 111 mm to 112 × 112 mm; and the WGC01 is held by a clip bar and hand knob instead of two M4 side clamps.

DIMENSIONS COMPARED — all values in mm, from the EURDOW manufacturer drawings

FEATURE	WGC02 (EXISTING)	WGC01 (REPLACEMENT)	WHAT IT MEANS ON SITE
Panel cut-out (square)	111 × 111	112 × 112	The one change that needs work — enlarge the opening by 0.5 mm per side.
Body through the panel	110 × 110	111 × 111	The new body is 1 mm larger. That is why the opening has to grow.
Front bezel (square)	124 × 124	118.5 × 118.5	Covers the new opening by 3.25 mm on every side. Do not file past 113 mm or the bezel stops covering the cut edge.
Bezel thickness (proud of panel)	5.0	7.0	Sits 2 mm further forward. No effect on the fit.
Body depth behind the panel	38.0	29.5	8.5 mm shallower.
Panel fixing	2 × M4 side clamps	Clip bar + hand knob	Different method, and no tools needed. The clip bar and knob are supplied with the controller.

Fig. 1 — Front view, to scale

Bezel outline (solid) over the panel cut-out (dashed).

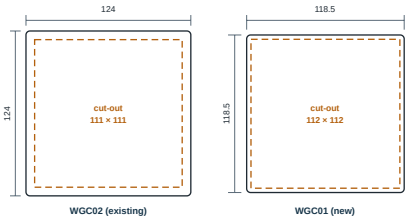


Fig. 2 — Side section, to scale

Hatched bar is your panel; the operator stands to the left.

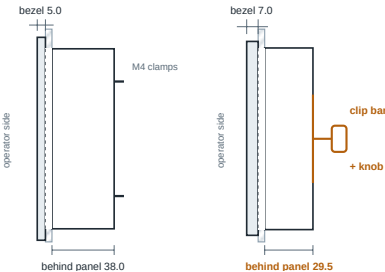
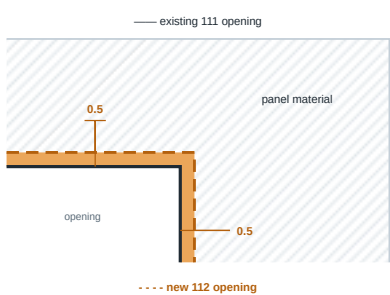


Fig. 3 — What to file away, at 16×

One corner of the opening. Remove the orange band on all four edges.



WHAT TO DO ON SITE

- Measure the existing opening first.** Panels cut years ago are rarely exactly 111 mm. If yours already measures 112 mm or a little more, there is nothing to file — fit the WGC01 straight in.
- If it measures 111 mm,** take 0.5 mm off each of the four edges with a flat file until a 112 mm square gauge passes freely. Work evenly and keep the opening square. **Do not open it beyond 113 mm** — the WGC01 bezel is 118.5 mm and covers a 112 mm opening by only 3.25 mm on each side.
- Transfer the wiring terminal by terminal.** The 24 V DC supply, the two analog sensor inputs, the six digital I/O channels and the RS485 pair are unchanged — nothing needs re-configuring on the sensor or actuator side.
- Fitting is not the same as the WGC02 — there are no side clamps.** Push the WGC01 into the opening from the front of the panel, slide the clip bar on from behind, and tighten the star knob by hand. No tools are required. Leave room behind the panel to reach the knob with your hand.

UNCHANGED — NOTHING TO RE-CONFIGURE

- 24 V DC supply; dual analog sensor input
- DC brushless actuator drive; six programmable digital I/O
- RS485 / Modbus-RTU communication
- Edge, dual-sensor centre and line guiding modes

IMPROVED ON THE WGC01

- Response time 2 ms, against 4 ms
- Maximum drive power 240 W, against 150 W
- TFT colour display in place of the monochrome LCD
- Tool-free clip mounting; body 8.5 mm shallower