

News Release

Release No: Rolec2022-04

ROLEC's Advanced New aluDOOR Diecast Industrial Electronic Enclosures



New aluDOOR features an integrated lid hinge with corrosion-resistant assembly for tough conditions

Specialist enclosures manufacturer ROLEC has launched advanced new aluDOOR – the next generation of hinged-lid housings for harsh outdoor and indoor industrial applications.

Elegant new aluDOOR is a tough, go-anywhere enclosure that is rated IP 66, IP 67 and – on request – IP 69K. It can be mounted on walls, bulkheads, machines and desks.

These diecast aluminium housings are effectively 'compact cabinets'. They feature a hinged lid that can be specified with or without a recess for a membrane keypad or product label. The lid opens 100° for easier access. A2 stainless steel lid screws and threaded inserts ensure a corrosion-resistant assembly in extreme conditions.

Fitting the lid is quick and easy. The lid with integrated hinge pin is pushed into place then secured with two tamperproof Torx T25 (M5) screws. Then the lid is shut and locked down with two more T25 screws. Extruded aluminium trims conceal and protect the lid screws and mounting screws.

Separate mounting screw channels mean aluDOOR can be installed 'lid closed' – safeguarding the electronics. The seal is a new foamed-in polyurethane gasket that offers greater protection because it is continuous – there is no join that could eventually become a weak point. Inside the enclosure, there are threaded pillars for mounting internal components such as PCBs, mounting plates and DIN rails.

Smart, modern aluDOOR is available in 10 sizes from 120 x 90 x 70 mm to 280 x 170 x 90 mm. The standard colour is anthracite grey (RAL 7016) with matt silver powder-coated lid trims.

Options include special colours on request, anthracite grey (RAL 7016) lid trims, a mounting plate, and an EMC gasket.

Customisation options include CNC machining, engraving/laser processing, photo-quality printing of legends, logos and graphics, display windows and assembly.

For more information, view the ROLEC website: <https://www.rolec-enclosures.co.uk/en/enclosures-accessories/aludoor/>

ROLEC will be exhibiting aluDOOR and other industrial electronic enclosures at Drives & Controls 2022, 5-7 April 2022, NEC Birmingham (OKW Enclosures Ltd Stand K124, Hall 10).

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Release No: Rolec2022-04 (word count 337)

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