

E-CADO 9m



Technical Specifications

Motion	Electrical - mechanical
Passage Width x Height (Profile of free space)	9 m opening width / free passage height opened 4.7 m.
Opening Time	Max. 30 sec
Closing Time	Ca. 60 sec
Opening Method	Vertically
Shape	Step barrier H 900 mm; W top 200mm; W ground 540 mm
Weight	Pivot module 2000kg / Boom 1300kg / Locking module 500kg
Containment Level	H2
Working Width	W2
Redundancy	Hand operated in case of power and / or control failure
Rittal cabinet specs	LxWxH = 1800 x 900 x 1800mm IP 55 Protection standards class IK10 Impact Resistance rating

Environmental Specifications

Ambient Temperature Range	-20°C / +40°C
Wind Speed	While operating: < 24 m/s (Bft)

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	While open: < 19 m/s
Protection Class	Minimal IP55
Visual control	Local operation / CCTV / min. 50 lux lighting at CADO site

Interface Specifications

Input / Output	Hardwired Potential free Xon/Xoff on LSA
Power connection values	Single CADO: 400 VAC; 18 KW; 25A Double CADO: 400 VAC; 22 KW; 32A

Material / Aesthetic Specifications

Body CADO	Steel S355J2+N
Conservation	Hot dip galvanized, conform NEN-EN-ISO 1461
Attention Level	Strip of black / white blocked retro reflecting tape; (other colours possible) Acoustic by horn Visual by flashlight
Local Control Cabin	Stainless steel in RAL 7035
Cable length	Max. 90m from CADO to control cabinet

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Options

Interface	Remote I/O module
Power Consumption	400 VAC / CEE form male / No-break power supply
Local Control	By LCP (Local Control Panel)
Remote Control	Interface consultancy – 4G modem
Foundations	Prefab concrete
Temperature control	Tracing
Commissioning	Supervision, adjustment and instruction
Native ITS	Adapting configuration

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Norms / Certifications

EN 1317-2 and -4	Road restraint systems - Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets Road restraint systems – Part 4: Performance classes, impact test, acceptance criteria and test methods, for terminals and transitions of safety barriers
EN-ISO 1461	Hot dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods
EN-ISO 12100-1	Safety of machinery - Basic concepts, general principles for design - Part1 Basic terminology, methodology
EN-ISO 12100-2	Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles
EN-ISO 14121-1	Safety of machinery - Risk assessment - Part 1: Principles
EN-IEC 60204-1	Safety of machinery - Electrical equipment of machines – Part 1: General requirements
EN-IEC 62061	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
2006/42/EG	Machine Directive