

Technical Specification/Submittal

The NEAT Defender Full Height Turnstile

When full height security is required, the Defender is the obvious choice. The NEAT Defender incorporates a clever use of Stainless Steel on the sets of rotors that are in contact with users. This allows an easy hassle-free passage and ensures a long low maintenance lifespan. The NEAT Defender is exceptionally robust and will happily work outdoors throughout all weather conditions. The Defender will work in any configuration, with one- or two-way passage, and can be supplied with a canopy and lights if required. Each Defender incorporates secure locking so your property is secure.

The NEAT Defender can be specified in many different configurations incorporating multiple lanes, bicycle lanes and pass lanes.

NEAT turnstiles can be integrated with any fire alarm system to prevent access or allow free egress on receipt of a signal from a local fire alarm interface. It is also possible to add battery back up to continue a set number of operations. Please ask for more details.

Size	Height -2150mm Width - 1480mm (Subject to Drawing)
Options	Single, Double, Plus Endless Multiples. Stand-Alone, with Side Manual DDA Gate, Side High Security "Air Lock" Gate, Automatic Side Gate, Bike Gate. Please ask for Bespoke Range.
Construction	Galvanised, Steel or Stainless Steel. Option of basic canopy or extended canopy
Finish (options)	Galvanised Only, or Galvanised & Powder Coated. Stainless Steel. Stainless Steel – Natural finish Stainless Steel. Please specify at time of order.
Drive Unit	Standard Manual Drive (Automatic Version Available).
Controls	Microprocessor controlled drive unit which can interface to any standard control system, i.e. push button, switch, card reader, keypad, tag, biometric, etc.
Power	Single Phase 230vac Supply both 50/60 Hz
Operating temperature	-20°C to +80°C



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NEAT Defender FH Turnstile is the ultimate in preventing unauthorised access into any site, it provides high security coupled with a very versatile deterrent and can be installed in a variety of different applications in use for manned or unmanned sites. Guaranteed passage security at high throughput rates. It removes pressure from security staff by dealing effectively with the mundane task of checking passes, and can block unauthorised entry. People who are authorised can simply pass through after presenting a valid access control card.

NEAT Defender FH Turnstile can improve efficiency and reduce staffing costs in a reliable consistent manner. When multiple lanes are required, these can be configured in a row for dual access/egress.

Access Control readers and Intercoms can be installed on both sides of the turnstile to allow full control of any site, cabling routes through the turnstile frame makes easy access for cabling into the head of the turnstile.

NEAT Defender FH Turnstile can operate in normally closed and normally open mode and have free egress setup to allow easy exit from site. In the case of power voltage failure both access directions can be released using a manual release key at the head of the Turnstile. Optional UPS Battery backup is available. Fail Safe and Fail Secure Options are also available at time of order.

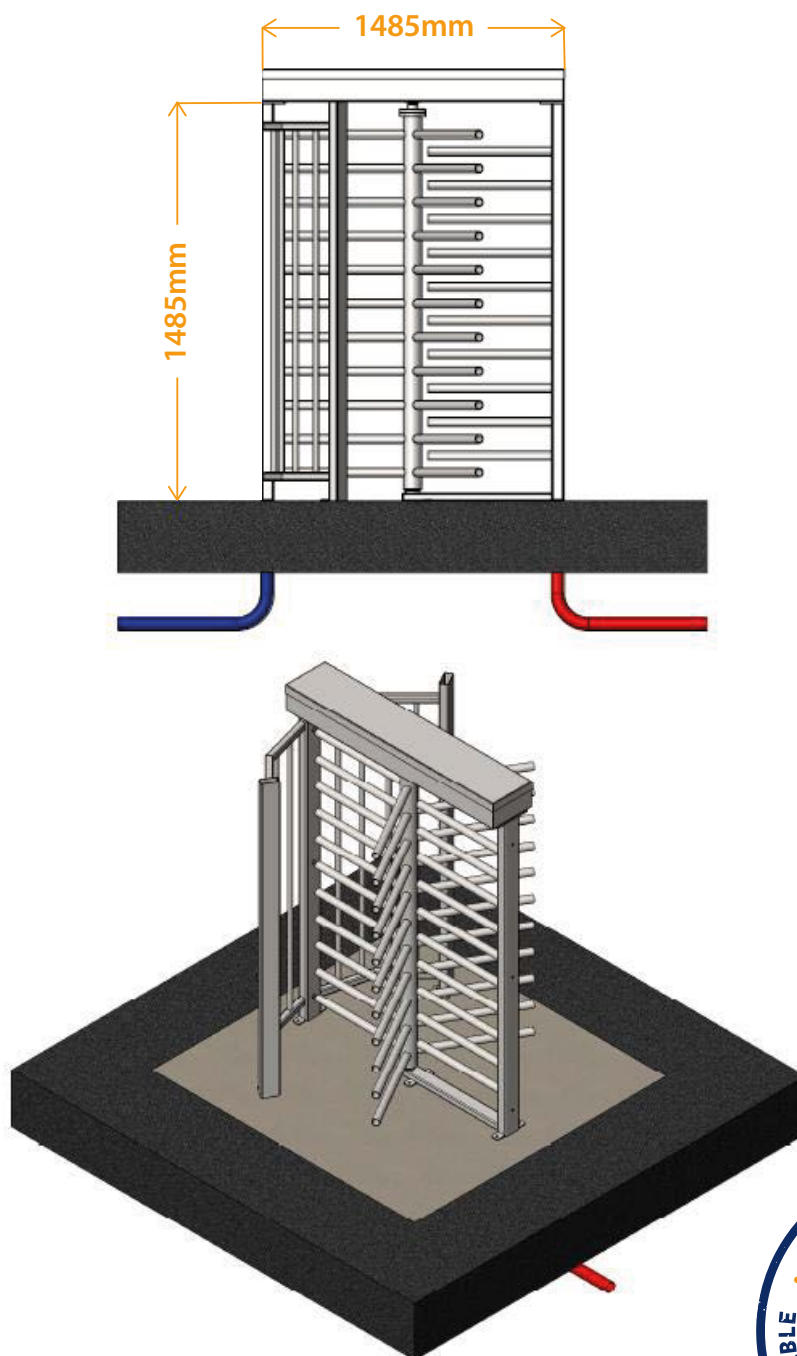
The turnstile passage throughput rate is 40 people/minute allowing high volumes of traffic through the turnstile during peak periods, the rotors are released in 0.2 seconds providing a high traffic flow capacity without safety inhibition. They offer fast and accurate control that quickly release within the head to allow passage.

Turnstiles are Galvanised and finished to RAL 9006 as standard, with 3 stainless steel sections on each of the 3 rotors in the contact section during passage, this clever design helps avoid wear on the rotors to contact points during passage.



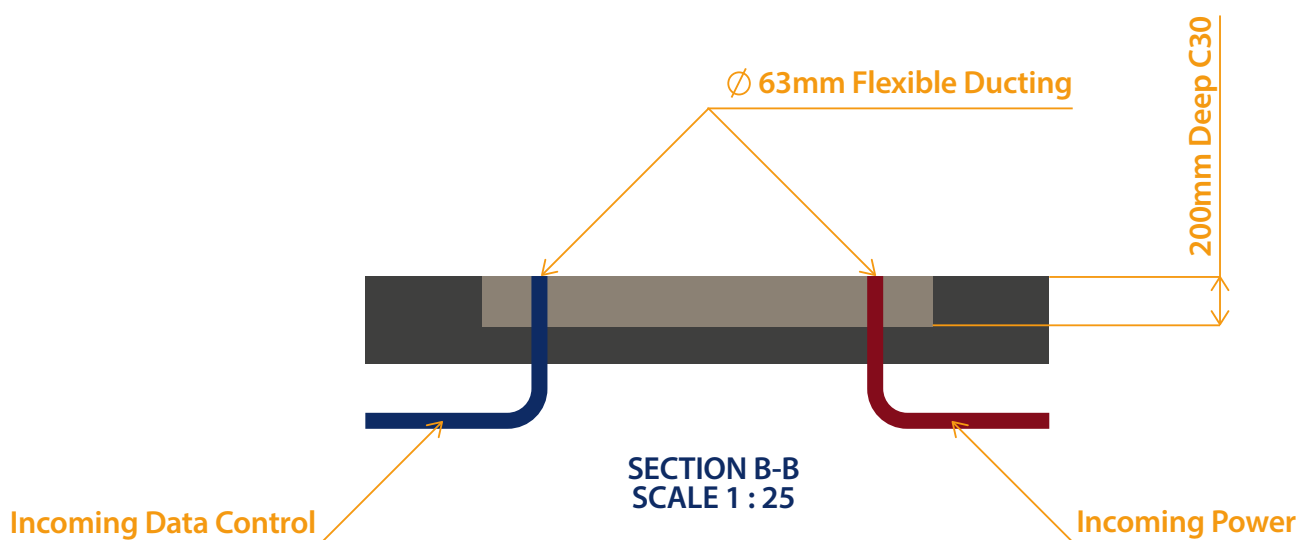
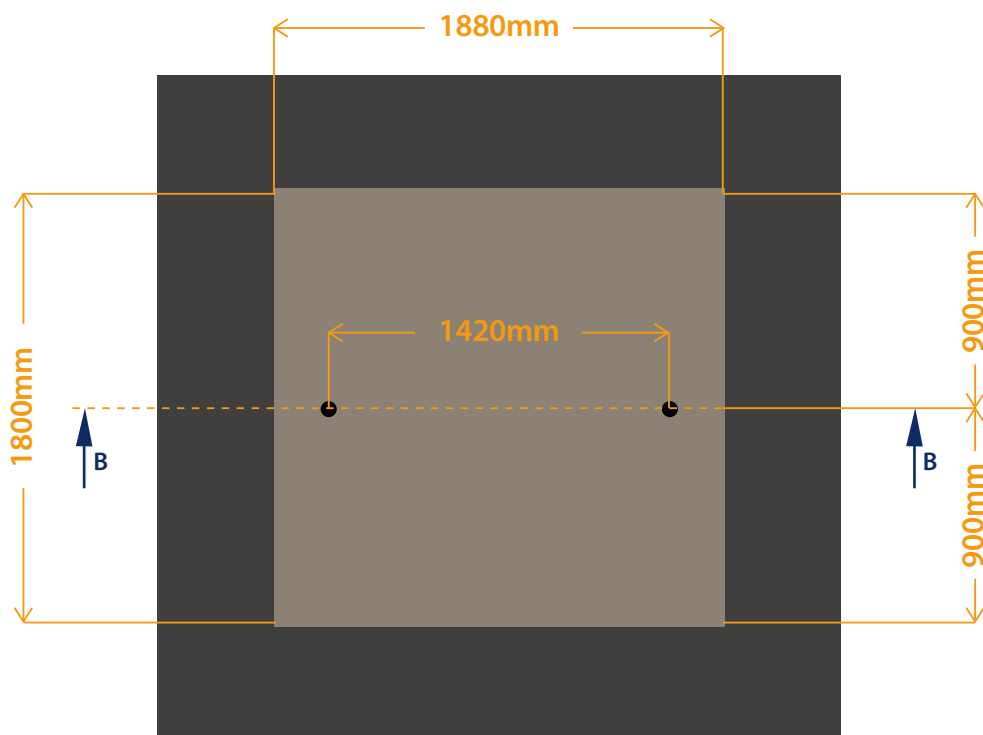
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Wiring & Layout Details



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DUBLIN

Electro Automation Ltd
EA House, Damastown Industrial Park
Mulhuddart, Dublin 15

T +353 1 824 6666

E info@electroautomation.com

LISBURN

Electro Automation (NI) Ltd
Unit 21, Crescent Business Park
Lisburn, BT28 2GN

T +44 (0) 28 9266 4583

E info@electroautomation.co.uk

SURREY

EA Group (UK) Ltd
Units 20/21 Bookham Industrial Park
Church Road, Bookham
Surrey, KT23 3EU

T +44 (0) 1372 459536

E info@ea-group.co.uk

BIRMINGHAM

EDS (Electrical Data Security) Ltd
121-125 Wellington Street
Birmingham, B18 4NN

T +44 (0) 1212 130 130

E web@edsuk.com

GERMANY

Electro Automation Ltd
Alte Mittelhäuser Straße 17
99091 Erfurt, Germany

T +49 361 596 3430

E info@electro-automation.de

www.electroautomation.com

