

PEGAS GL



An attractive modern motorized swing gate design that combines a tempered glass barrier panel and a Stainless Steel clad motorized column to provide a secure automated entry solution where a service opening or ADA compliant entry is required. The Pegas motorized swing gate is well suited for office lobbies & controlled access areas where entry is controlled directly by card reader validation or remotely by an attendant or receptionist using a remote desk top controller interface. Various glass panel design features & column finish options are available to blend seamlessly into any interior design.

Gate PEGAS-GL is equipped with a rugged yet silent motor drive unit ideal for many applications & years of maintenance free operation.

MT - Motor drive unit

The advanced motorized drive platform is controlled by our purpose built ASIC Control with an advanced "ARM" microprocessor.

- an effective automated security barrier system with high aesthetic appeal
- controlled via an access control system reader validation or a remote controller input
- silent & smooth barrier panel opening and closing movement
- safety sensing to prevent injury or damage in case panel movement is obstructed

Motor drive unit is supplied in two variants:

FAIL-LOCK: in a power failure, the gate remains hard-locked - (with optional battery backup, the gate can continue to operate automatically for a period of 6 hours)

FAIL-SAFE: in a power failure (or emergency/fire input), gate panel is released and can be freely opened by hand in either direction

PEGAS Gates are available in two configurations based opening angle capacity:

PEGAS-GL-E: our base model - barrier panel drives 90° in either direction (entry or exit)

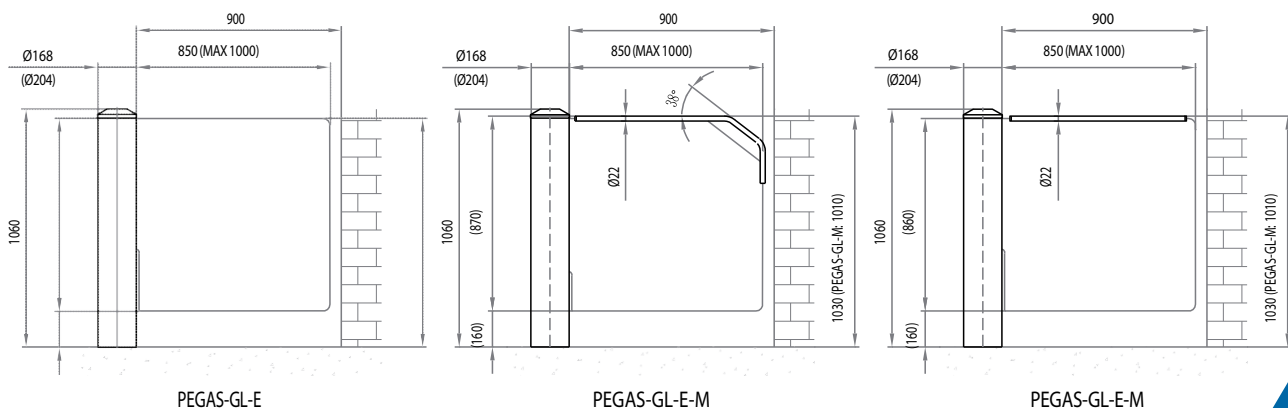
PEGAS-GL: offers programmable opening angles for entry and exit with a 340° rotational angle range

Materials and surface treatment:

Central column: stainless tube 168mm (6.6") in dia (standard finish: brushed satin stainless steel)

Barrier: tempered safety glass, thickness 8 mm (3/8") frameless clear glass, width: 850mm (33.5") fills 36" clear opening. Mechanical parts of the gate are galvanic zinc or blackening finished for corrosion resistance. The maximum clear open width for a single gate 41.4" (including a 2" recommended air gap).

If a wider clear opening is required two horizontally opposed PEGAS-GL gates can be installed in tandem. Our advanced drive platform can easily be configured so that the barrier panels operate in a synchronized movement in either entry or exit direction.



Interface:

Gate operation is controlled by our microprocessor based ASIC electronics platform. Our advanced platform design facilitates numerous I/O interface options for connectivity options including traditional NO/NO selectable relays - including the following:

- Data/serial bus: RS485, USB or Ethernet (w/external converter)
- Configurable dry contact relays; NO/NC (inputs and outputs)
- Motor control via digital power bridges with overload protection and current measurement
- Continuous internal health status polling, logging & reporting - access errors/faults logs w/ time/date stamps for internal diagnostics
- Remote firmware upgrade through T-Server SW interface
- Direct & remote access to configuration parameter settings & passage & alarm events data through our T-CONF software
- Complete remote control capability & access to metrics including passage counters via a network connected PC & our T-MON SW
- Connectivity to various supplementary ultrasonic, laser or infra-red sensors to control the Pegas gate.
- Internal connection and intelligence within the gate that supports charging, measuring and auto-switching of power supply or battery back-up in case of a primary power failure.
- Easy connectors for fast and easy installation of all input/output signals, interfaces & serviceable components
- Our "Best of Breed" electronics enables highest operational reliability

With T-CONF configuration software running on your PC, select and set the following parameters on the Pegas gate with ease:

- automatic opening direction on control signal input command
- opening after pushing on gate's panel within the adjustable time allowed to complete passage
- automatic closing timeout per direction
- closing timeout when permanent signal for open disconnects
- closing the gate timeout upon receiving the close controller cmd

Control electronics ensures safe gate opening in both directions for a angle travel of 90° (total angel 180°). At customer's request it is possible to customize the travel angle per direction.

Control electronics are protected against short-circuits, overloading, brown-outs & polarity mismatch.

Technical Parameters:

Drive Unit electric parameters table:

Type of drive unit	Rated supply voltage	Power consumption in basic operation modes		
		Standby mode brake activated / brake released		Opening/ closing
Motorized FAIL-LOCK	12 VDC	3 W	12.5 W	35 W
Motorized FAIL-SAFE	12 VDC	12.5 W	3 W	24 W

- Standard operating temperature: 10 to +50 °C (50 to 122°F)
- With heating module: -25 to +50 °C (-13 to 122°F)
- Relative humidity (max): 80%
- Mean Cycles Before Failure (MCBF): 3 Million Cycles

Note: Increase of power loading with optional "Heating Module" is approx.: 24W



ACCESSORIES

Optional: Column-Top Modules:

Top Module for integration of detection radar (automatic opening) or integration of proximity readers for PEGAS Gate with 204 mm (8") dia column. With this module option: the gate opening angle travel is limited to 180° maximum.

External Reader Posts & Columns:

Mounting posts and columns ideal for mounting of Prox/Biometric Readers and/or other accessories (ex: LED traffic lights, displays, etc)

Remote Control Consoles & Touchscreens:

- manually control gate entry/exit or operational modes & settings
- LED's panels to remotely alert alarm events
- Control up to 4 turnstiles (or 3 turnstiles w/additional Emergency Button)

Batter Back-up:

PEGAS Gate can continue to operate for a period of 6 hours of continuous operation upon a primary power failure.

Push bar (Recommended if operating in "Push to Open" mode):

22mm (7/8") dia. Stainless tube push bar affixed to the top edge of the glass barrier panel (standard finish: brushed satin stainless steel).

Identification Systems

The Pegas Gate interface connects or interfaces with any type of Barcode reader, magnetic card, smart card, proximity card or biometric reader.

Software accessories:

T-SERVER - COMMUNICATION CLIENT software that enables the connection of the turnstiles & gates network with a PC or workstation. This program runs in the background (its activity is hidden) and enables to any PC with valid authority to make setting and control the turnstile network.

T-MON – SW program that enables direct control of the turnstile/gate system from any PC with valid authorization. Remote control of the same turnstile from different PC's is possible. The intuitive Graphical User Interface (GUI) is also ideal to use with a touchscreen monitor.

T-CONF – SW program that enables configuration and parameter value settings to be made and saved for backup. Access to error reports and internal logs are also easily accessed with this SW utility. Additional features include firmware updates and saving of accessible information in a familiar Windows environment. Network access available if system is configured for online access.

Custom features:

- choice of variable glass panel widths (max: 1000mm / 39.4")
- choice of glass color tints and types (standard, green, blue, laminate)
- wider central column diameter: 204mm (8")
- custom glass designs/logos shapes per architect's request