

# EASYGATE WN



**EasyGate WN:** a unique solution to a challenging premise: “Provide the market a modern speedgate technology product suited for extreme environmental conditions”. A real design challenge since typical electronic devices & components are not engineered or readily available for such requirements. There were no manufacturers offering or able to warranty such a product until a client recently approached us with such a need. After consulting with our engineers and design team we confidently accepted the challenge and the end result stands alone in the market. Our **EasyGate WN**, a speedgate that meets the “Extreme Challenge” performing where no other speedgate dares to go.

## Functional Description:

The **EasyGate WN** turnstile is a purpose built speedgate for extreme environmental conditions that can also accommodate pedestrian traffic on a bicycle, scooter or small motorbike. The sophisticated detection system (infrared sensors & inductive loop detectors) ensures single person secure passage through turnstile. The control electronics and components are purpose built and tested to perform flawlessly in extreme exterior environmental conditions including high relative humidity, heavy wind, rain and even snow conditions.

Bi-directional operation of the turnstile is electronically controlled and compatible with any Access control system, identification/reader system and remote controller running our T-Mon SW or our optional controllers. Unauthorized passage including: tailgating, climb over/crawl under is detected by the infrared sensors coupled to our sophisticated SW detection algorithm that triggers a local alarm as well as remote alarm outputs via traditional NO/NC relay outputs as well as a data driven output via RS485 and other available interfaces. Pedestrian passage via bicycle, scooter or motorbike is detected & recognized via the optional inductive loop detector system which enables single passage upon a validation input.

## Materials:

**Frame, Sides & Tops:** satin stainless steel with corrosion passivation for superior outdoor weather protection

**Barrier Bar:** brushed stainless steel tubing with a unique beveled design for pedestrian ease of use with a bicycle, scooter or a motorbike.

**Reader Inlay & Way Mode Light:** toughened tempered glass with polyurethane protective coating.

**Extreme Weather:** **EasyGate WN** is designed for trouble-free operation in harsh outdoor weather conditions. All the electronics of the turnstile are conformal coated & enclosed within an IP65 protection class enclosure. An automated internal heating system enables full operation of the turnstile in temperatures as low as: **- 40° F**.

## Components, features & accessories:

Flush mounted reader Inlay with Illuminated Cue Light (Includes Proxy reader mounting bracketry)

Optional: Front mounted Way LED Mode Light (Green Arrow & Red X)

## Optical infrared sensors

Specialized Infrared optical sensor (8 pairs RX/TX) designed for the Extreme temperatures (- 40°F) with extended reading distances capable of operating in rain, snow, dust or direct sunlight conditions.

## Inductive loop detector:

Dual Channel Inductive Loop (Entry section & Exit section) sensitivity capable of detecting bicycles, mopeds, motorbikes & carts. Inductive loop shape is specifically designed to prevent any interference from surrounding metallic surface.



**Emergency Input or Power Fail condition:**

Turnstile can be configured in either of two modes in case of an Emergency or Power failure:

- 1) Barrier panels are released and can be pushed open manually
- 2) With Optional Battery Back-up, the barrier panels are driven to the open position

**Operating Temperature:**

Minimum: - 40°F

Maximum: + 50°C

**Communication interface:**

NO or NC Selectable Relay Inputs/Outputs

RS485 / USB / Ethernet

**Optional Accessories:**

- Flush mounted Illuminated reader inlay with LED lighting user cues
- T-MON2 software application - remotely control & monitor status via a PC or workstation
- Way Mode Light – Front mounted lane availability LED Pictogram
- Proximity reader bracket for integration of proximity reader
- Touch Panel for remote manual control of up to 4 lanes
- Touch Screen controller
- Battery Back-up

