

Access controlled... Future secured.



# TR 49x

TRIPOD TURNSTILES

**AS** **AUTOMATIC**  
**SYSTEMS**  
LIER GROUP

PEDESTRIAN





45 YEARS  
of expertise  
20.000  
tripod turnstiles  
worldwide

## SECURITY

- Access control: entry, exit or bidirectional use
- Single-user throughput
- Mechanical locking to withstand forced entry attempts
- Non-removable arms and anti-pass back device to prevent unauthorised use
- Built to withstand abuses and intensive operation

## SAFETY

- Easy-to-use
- Pictograms for intuitive use and high throughput
- Inactive arms do not hinder the passage
- Shock absorber for smooth and progressive operation
- Controlled dropping arm in case of power failure or emergency (option)

## FLEXIBILITY

- Removable end covers for easy integration of user authentication devices
- Wide choice of operating parameters adjustable to fit specific functional requirements
- Suitable for outdoor installations
- Selection of options ensuring optimum installation in your environment

## RELIABILITY

- Housing in superior-quality stainless steel
- Long life mechanical construction
- Highly reliable products with MCBF of 5 million cycles
- Very low cost of ownership
- Very low energy consumption for a low carbon footprint





# RELIABLE, EFFICIENT AND EASY SOLUTION FOR THE AUTOMATION OF SECURE ENTRANCE CONTROL



## TR 490/491

Single passage  
Rectangular shape  
With/without dropping arm



## TR 490R/491R

Single passage  
Round shape  
With/without dropping arm



## TR 492

Double passage  
Rectangular shape



## TR 492R

Double passage  
Round shape

## NEW: CONNECTIVITY\*

- TCP/IP communication
- XML/RPC software interface
- Interoperability with building management systems
- Embedded software for real-time monitoring and equipment configuration locally or remotely via a simple web-browser
- Smart n'Slim monitoring panel for remote management

\* Available 2nd half of 2015

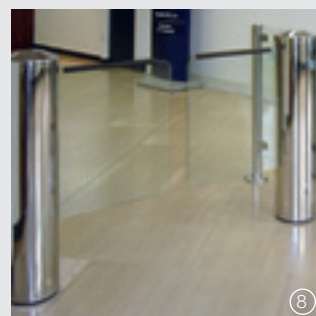
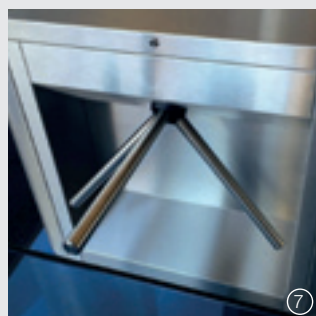
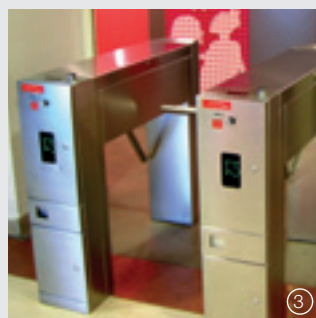
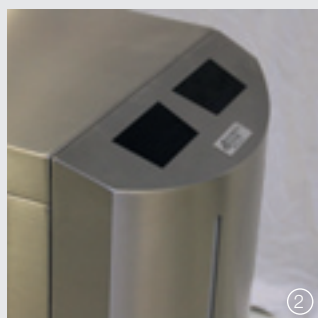


## SPECIFICATIONS

	Footprint W x L (mm)	Passage Width (mm)	Passages/minute	Disabled access	Movement	Application		Arm		Aesthetics		MCBF***	Finish	Automatic opening in case of emergency
						Indoor	Outdoor	Static	Dropping	Rectangular	Round			
TR 490	765 x 1220	500	20	x(*)	Rotating	•	•(**)	•		•		5 million	Stainless steel (316)	
TR 490 R	765 x 1220	500	20	x(*)	Rotating	•	•(**)	•			•	5 million	Stainless steel (316)	
TR 491	765 x 1220	500	20	x(*)	Rotating	•	•(**)		•	•		5 million	Stainless steel (316)	•
TR 491R				x(*)	Rotating	•	•(**)		•		•	5 million	Stainless steel (316)	•
TR 492 Twin	1465 x 1220	500	2x20	x(*)	Rotating	•	•(**)	•		•		5 million	Stainless steel (316)	
TR 492R Twin				x(*)	Rotating	•	•(**)	•			•	5 million	Stainless steel (316)	

(\*) Optional with PPV required / (\*\*) under canopy / (\*\*\*) MCBF= Mean cycles before failure

## OPTIONS & ACCESSORIES



1. Orientation pictogram for enhanced user guidance
2. Integration of user authentication devices (card readers...)
3. Coins or token collector
4. Heating

5. Tropicalisation kit IP44 for harsh environments
6. Dropping arm for emergency setting or power failure
7. Housing side panel
8. Swing doors for mobility impaired available in matching design



## BENEFITS

- Automation of pedestrian access control
- Restricts access to secured zones
- Employee and visitor Entry/Exit tracking
- Reduced need for manned entrance
- Meets safety standards (fire...)

## MARKETS

- Sports, leisure and community centres
- Schools, universities and colleges
- Shops and shopping centres
- Office buildings and administrative sites
- Industrial sites
- Ports and ports facilities

