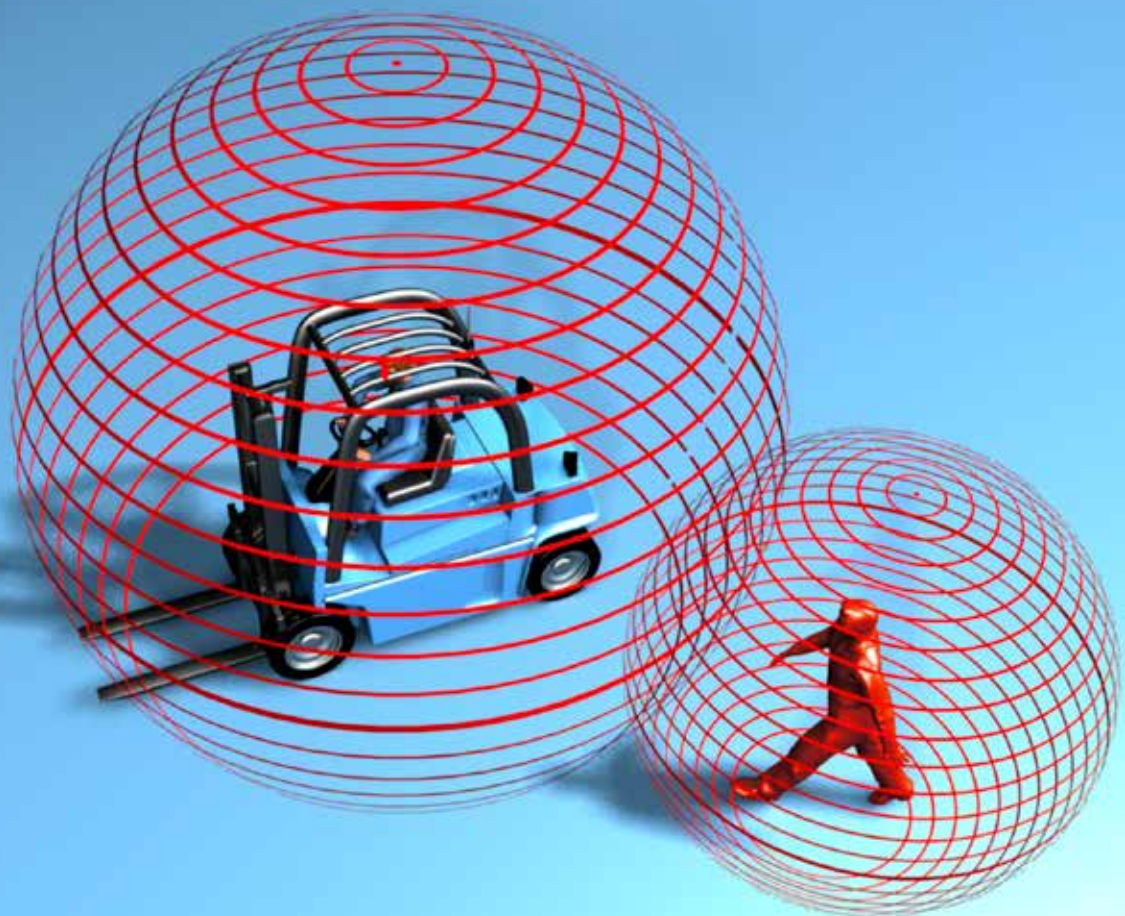


360° All-Round Protection

RFID-AURA-207

Multifunctional



Occupational
Safety

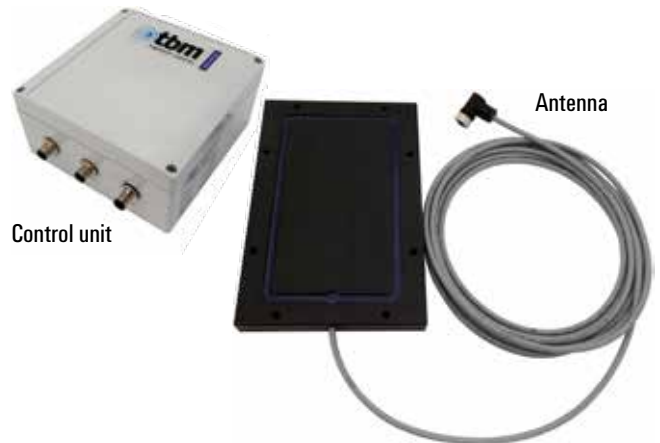
All-round protection RFID-AURA-207

RFID technology protects

With the RFID-AURA-207, a forklift truck has a 360° all-round protection field. It will detect pedestrians carrying an RFID-AURA transponder.

A forklift truck thus becomes a personnel detector and warns drivers visually and/or acoustically of any people present in the vicinity, or automatically reduces the speed at the same time.

The RFID-AURA-207 is the active radio-based driver assistance system that provides comprehensive protection in logistics.



Characteristics

The RFID-AURA-207 detects an AURA transponder by means of an adjustable LF (low frequency) field. Within this field, the transponder sends an ID to the RFID-AURA and thus triggers the alarm signal.

With a range of 8 m (standard), the RFID-AURA-207 provides a comfortable protection zone. Larger ranges (15 m and more) can be implemented by using an alternative antenna (75 x 25 cm).

The RFID-AURA-207 detects an unlimited number of transponders automatically. Upgrades can be implemented unproblematically. If individual ID codes are stored in the RFID-AURA electronics, these will trigger an additional pre-defined function.

The RFID-AURA-207 will detect the pedestrian even if he stands behind a pallet and can actually not be "seen".

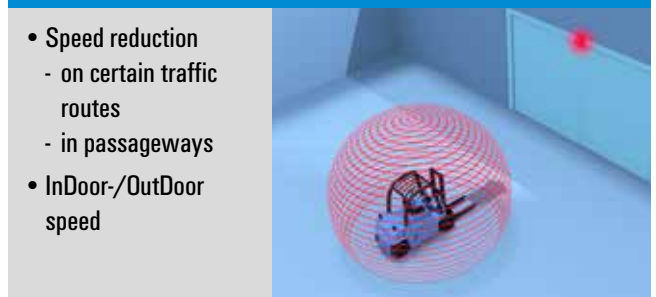
Areas of use

360° personnel detection



- Collision protection at gates
- Active warning for drivers

Zone detection



- Speed reduction
 - on certain traffic routes
 - in passageways
- InDoor-/OutDoor speed

Collision protection at gates



- Gate opening
- Active warning
- Speed reduction

A variety of transponders for a variety of solutions

The active RFID transponders are operated by battery with a **service life of about 13 months** (for a typical use of approx. 50 encounters per day for 5 min. each over a 6-day week). No daily charging required. Battery health can be read on the transponder – or on an additional battery tester.

Pedestrian transponder

- Teardrop shape for convenient carrying on the keyring
- Permanent protection
- Bank card format with integrated pocket for company ID card



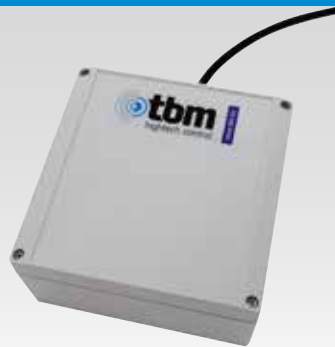
Driver transponder

- Deactivated by a push of a button for forklift travel
- Automatically fully active as soon as the driver leaves his vehicle aura



Switch transponder

- External power supply with relay output
- Mobile: vehicle function wiring
- Stationary: wiring
 - Gate opening
 - InDoor-/OutDoor speed
- With a 40% greater range



Wristband transponder

InDoor-/OutDoor transponder

Protective vest with integrated pedestrian transponder

Transponder for OutDoor traffic routes

Collision transponder

- Special transponder for additional vehicle – vehicle collision protection
- With a 40% greater range

Benefits at a glance

- Unlimited number of transponders
- No daily charging required
- 13 months service life
- Detection zone variably adjustable
- Permanent range optimization

Effective and efficient protection: Eyes are always on the route – and not on the display!

Technical specifications

LF technology		
Low-frequency magnetic field (LF – low frequency):	125 kHz	
Low-frequency range:	Radius adjustable between 0.5 ... 8.0 m by rotary encoder (depending on mounting position)	
Type of communication:	Unidirectional	
Power supply		
Rated voltage:	12-24 VDC, stabilised, floating	
Rated output:	12 W	
Temperature range:	-20 °C ... + 70 °C	
Interfaces		
Outputs (relay):	2 floating changeover contacts 4 floating normally open contacts max. load 24 V / 0.5 A	All contacts can also be operated invertedly
Control (enclosure)		
Dimensions (W X H X D):	161 mm x 161 mm x 80 mm	
Enclosure:	IP66 EN 60529	
Colour:	Light grey RAL 7035	
Material:	ABS	
Antenna		
Dimensions (W X H X D):	270 mm x 175 mm x 20 mm	
Material:	POM	
Approval		
CE:	EN 300 330 / EN 300 220 - 1 / EN 300 220 - 3 / EN 301 489 -1, -3	
HF technology		
Radio frequency:	868 MHz (license-free ISM band)	
Radio range:	up to 150 metres in an open environment	
Communication type:	Bi-directional	

tbm awards



tbm hightech control GmbH

Karl-Hammerschmidt-Str. 32 · 85609 Aschheim near Munich – Germany

Phone +49 89 670 03 60 · Fax +49 89 637 91 72

E-Mail info@tbm.biz · Web www.tbm.biz

