

PSS 2000

Safeguards human lives, hands-free.

**PSS 2000 monitors entry,
safeguards human lives
and prevents accidents.**

- › Convenient hands-free opening of doors, gates and barriers
- › Prevents disorientated people from wandering

ID transponder are also available with emergency-call or remote-control functions

It's so easy with PSS 2000



1. PSS 2000 ID transponder (armband or key)

PSS 2000 ID transponder have their own energy source. The wall reader, which authorises entry, can detect the transponder within seconds.

2. PSS 2000 wall reader

PSS 2000 opens or closes a door, gate or barrier, or keeps it closed, on the basis of the ID transponder authorisations that it detects.

Technical requirements all you need is:

- A door, gate or barrier with an electric opener

PSS 2000 is reliable and versatile:

The PSS 2000 product family has been in use for many years, successfully preventing disoriented people from wandering and providing straightforward access management. Care home managers appreciate the discreet installation and unobtrusive operation. Many call system providers have incorporated the PSS 2000 as a subsystem to create an integrated all-in-one solution. PSS 2000 can even open high-speed gates, barriers and automatic doors on command, as if by magic. The ID transponder

can transmit its signal from the inside of a vehicle with the window closed. Customers value the transponders' compact design and long battery life, the sturdy readers with their adjustable reception ranges, loop antennas and multiple interfaces, and the highly convenient fully hands-free operation with optional larger scanning distances. ID transponder with buttons are used for emergency-call or remote-control functions.

PSS 2000 is effective:

The TeraTron personal protection system PSS 2000 can work with a standalone reader or multiple linked readers. In typical applications, the ID transponder are worn by the individuals who are to be detected. The device can manage two groups of ID transponder separately, enabling different functions to be assigned with ease. In dementia care, for example, patients (person group 1) and carers (person group 2) can be identified and handled differently. When patients or carers approach the reader, their transponder is activated (the reception range is adjustable). The transponder transmits the ID number to the reader. The reader can then (depending on the particular application) trigger a relay to open/close/lock a door or inform the staff via a silent alarm. If a carer/staff member and a patient are located within the reader's reception range at the same time, an additional signal can be given or a second relay can be triggered to cancel the alarm. The reader board also has an optocoupler input/output to allow any additional functions and links to be implemented.

Further information: www.teratron.de

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PSS 2000

Technical Data:

PSS 2000 components



PSS 2000 wall reader in elegant indoor or robust outdoor housing

Various PSS 2000 ID transponder designs

LF technology

Reception frequency	125kHz
Reception range	A radius of 1.8 to 3.8m (adjustable via potentiometer), connection for external LF antennas, larger ranges are possible with alternative antennas

HF technology

Radio frequency	868 MHz (ISM band can be used free of charge)
Radio range	Up to 50 metres in an open environment

Power supply

Operating voltage	12-35V DC / 12-26V AC-50 / 60 Hz
Power consumption, max.	12 W
Temperature range	-20°C to +70°C

System memory

Number of transponder	300 (standalone operation), unlimited (interface operation)
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LF technology

Outputs	2x relay (change-over max. 24V), 1x optocoupler (max. 30V), 3x status LED, 5x CPU internal (max. 35V)
Inputs	3x optocoupler (5-35V DC), 2x CPU internal
Data interfaces	RS232, RS485, optional Ethernet TCP/IP

Housing (indoor)

Dimensions (W x H x D)	200 x 279 x 40 mm
Material / colour	PS / Granito Anthracite
Protection rating / weight	IP52 / 690 g

Housing (outdoor)

Dimensions (W x H x D)	160 x 250 x 90 mm
Material / colour	PS / Light grey
Protection rating / weight	IP67 / 1390 g

Connection

Power supply / interfaces	PCB terminals up to 1.5 mm ² (plug-in), D-SUB 9 socket (RS-232), PCB terminals up to 2.5 mm ² (LF antenna), western plug RJ45 (Ethernet)
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Additional functions

Antenna balance	Continuous automatic peak adjustment
Configuration	User-friendly parameterisation via configuration program
Piezo transducer	Can be switched on/off internally

Approval

CE	EN 300 330-1 / EN 300 220-1 / EN 300 220-3 / EN 301 489-1, -3
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