

TRANSIT STANDARD

| Long range vehicle identification reader



KEY FEATURES:

- Compact industrial design
- Read range up to 10 meters [33 ft]
- Object speed up to 200 km/h [124 mph]
- Well defined adjustable read range
- Multi-channel frequency offset
- Variety of integrated interfaces
- Included wall mounting

The TRANSIT Standard reader is a long-range vehicle identification reader with built-in antenna and a wide variety of interfaces to ensure seamless and flexible integration.

The TRANSIT Standard reader consists of a controller with a built-in antenna for quick and easy installation. The TRANSIT Standard reader features automatic identification of Nedap tags from distances up to 10 meters [33 ft] with traveling speeds up to 200 km/h [124 mph]. Due to the long read range, the reader can be installed out of the reach of vandals. The identification lobe of the reader is a directed beam, offering precise determination of the detection area.

Frequency offset

The TRANSIT reader operates on a factory-set frequency. The frequency offset allows multiple readers to operate in close vicinity of each other without interference.

Read range adjustment

The reader efficiently resolves typical multi-lane, entry and exit reader challenges. The read range of the TRANSIT standard reader can be adjusted to offer secure and reliable identification in demanding applications.

Weatherproof housing

The weatherproof TRANSIT Standard reader features an IP66 certified housing. The reader continues to operate reliable under harsh environmental conditions and is able to withstand exposure to rain, snow and ice.

Interfaces & protocols

The TRANSIT Standard reader is designed for seamless and flexible integration into existing management systems in the industry, such as parking management, traffic control, loading control and access control systems. Several communication interfaces to the host system are available such as RS232, RS422, RS485, Profibus DP and TCP/IP. Also open industry-standards protocols such as Wiegand or Omron are supported. Customer specific protocols can be implemented on request.

Proximity antenna connection

The NEDAP 120 kHz module is integrated in the Standard version of the TRANSIT reader and allows direct connection of an additional proximity antenna to the reader.

SPECIFICATIONS

Technical information	TRANSIT Standard
Operating frequency	Europe: 2.446 – 2.454 GHz / US: 2.438 – 2.457 GHz
Dimensions	310 x 250 x 100 mm [12.2 x 9.8 x 3.9 in]
Weight	5 kg [11 pounds]
Housing	Stainless steel (AISI304) housing with ABS cover
Protection	IP66
Detection range	Up to 10 meters [33 ft]
Range check	Acoustic by built-in beeper
Operating temperature	-30... +60°C [-22... +140°F]
Object speed	Up to 200 km/h [124 mph] at appropriate distance
Power	Europe: 230 VAC +10%, 100 mA, 50-60 Hz / 22...30 VDC, max 1A US: 22.30 VDC, max. 1A
Power consumption	<25VA (on AC), <20 Watt (on DC)
Frequency offset	138 channels [US 32 channels] spacing 600 kHz to avoid interference, to be used when TRANSIT readers are installed in close vicinity of each other
Polarization	Circular (LHC)
Input	1 dry contact or TTL
Relay output	1 relay output (NO, common, NC), 24 VDC 2A, 120 VAC 1A
Output	Barcode 39, Wiegand 26-bit, Wiegand 32-bit, Wiegand 37-bit, FF56 and Omron ISO 7811/2
Antenna connection	Optional 1 external inductive antenna connection
Antenna output	120 kHz
Interfaces	RS232, RS422, RS485, Profibus DP, TCP/IP
Communication protocols	CR/LF, DC2/DC4 and various OEM protocols (for more information refer to the firmware manuals)
Encrypted air interface	NEDAP proprietary encryption standard
Mounting	Wall mounting set included Option pole mounting set (5626595) and weather protection hood (7562640) are available
Certifications:	
EMC	European Directive for EMC 89/336/EEC, EN50081-1, EN50082-1 and EN50082-2. ETS0908
Safety	EN 60950, UL 60950, UL 50
Regulations	FCC part 15.245 and ETS 300 440
Part numbers	9990410 TRANSIT PS270 Standard 9875220 TRANSIT PS270 Standard USA 9875050 TRANSIT PS270 Standard – Grey Cover
Documentation	TRANSIT Installation Guide TRANSIT Quick Reference Guide
Accessories	5626595 Pole mounting set 7562640 Weather protection hood
Document version nr.	4.2