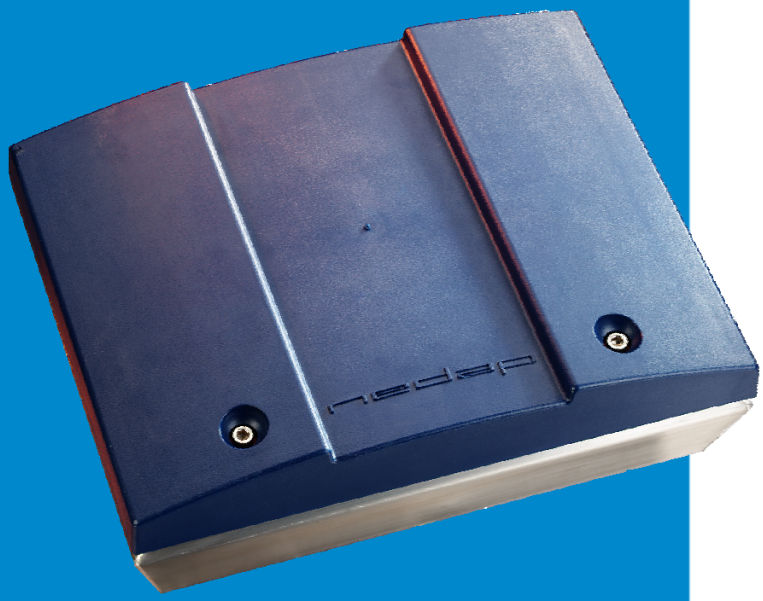
TRANSIT Standard reader

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 [125 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, easy installation. The TRANSIT Standard reader enables automatic identification of AVI tags from distances up to 10 meters [33 ft] with traveling speed up to 200 km/h [125 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 frequency, selected and set at factory. The frequency offset allows multiple reader to operate in close vicinity of each other without interference.

Proximity antenna connection

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

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 a specific application.

Weather proof protected housing

The TRANSIT Standard reader is weatherproof protected with an IP65 [approx. NEMA 4x] 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 to 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, 20mA Current Loop, Profibus DP and TCP/IP. Also open industry standards such as Wiegand and Omron are supported. On request also customer specific protocols can be implemented.

nedap® avi

Specifications

Transit Standard reader

Operating frequency	Europe: 2.400 – 2.482 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 [9.9 pounds]
Housing	Stainless steel (AISI304) housing with ABS cover
Protection	IP65 [approx. NEMA4x]
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 [125 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] channel spacing 600 kHz to avoid interference, to be used when TRANSIT readers are installed in close vicinity of each other
Polarisation	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, 20mA CL, Profibus DP, Multidrop and TCP/IP
Communication protocols	CR/LF, DC2/DC4, TCP/IP, Profibus DP and various OEM protocols (for more information see firmware manuals)
Encrypted air interface	NEDAP proprietary encryption standard
Mounting	Wall mounting set included Pole mounting set and weather proof protection hood optional 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 PS70 Standard 9875220 TRANSIT PS270 Standard USA (24 VDC version)
Documentation	TRANSIT_InstallGuide_E
Accessories	5626595 Pole mounting set 7562640 Weather protection hood

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