TRANSIT Ultimate

Quick Install Guide

Power Supply:

Linear 24vdc 2-3 AMP

Cabling:

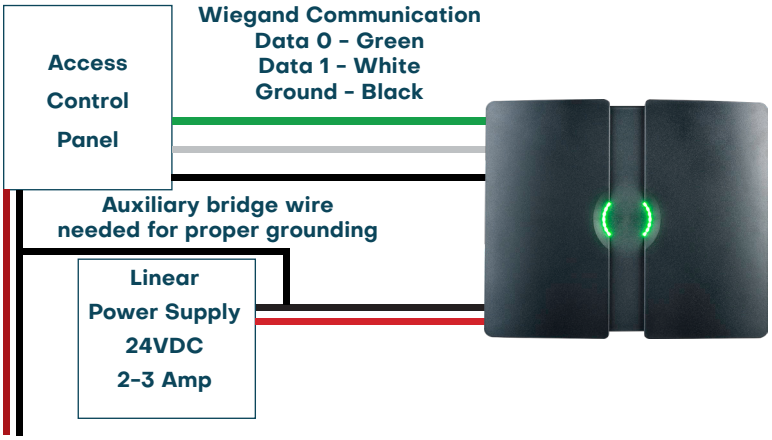
Shielded twisted 6 (18-22 Gauge) for communication wiring.
A separate pair (14-18 Gauge) for the power supply.

Tools:

- 1 Phillips screwdriver to open and access the reader
- 1 small flathead screwdriver for landing the wiring.
- Wire Strippers

Out of the box, the reader is set to output Wiegand 26 with FC of 10 with Dipswitches 2, 6, and 7 “OFF”. Can be changed at the reader level.

Grounding:

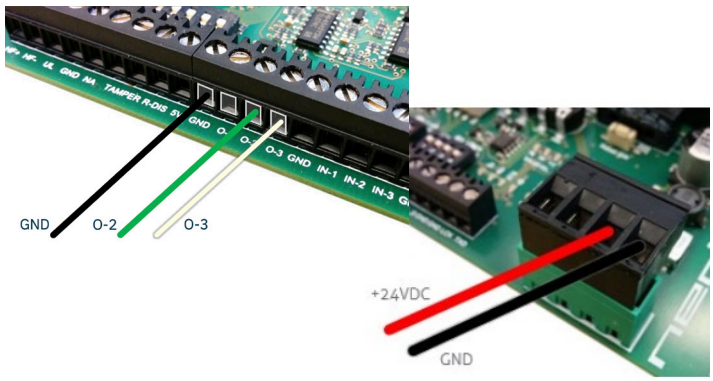


Continuity is created by landing a jumper between the 12v ground powering the access control panel to the 24v ground powering the reader.

Wiring:

Communication & Power

Data Ground		GND above 0-1
D0 (Green)		0-2
D1 (White)		0-3



Additional Resources:

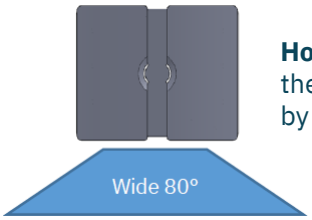
These are available for download through our Partner Portal at support.nedapidentification.com by creating a guest login.

- Install Guide (included in the reader box) PDF available online.
- P81 Test Software. Only needed if changing Facility code, disabling Vehicle ID, or testing purposes.
- Firmware Guides (available through the Partner Portal)
- Datasheets (available through the Partner Portal)

Quick Shots:

- Updating firmware - page 28 of the Install Guide
- Communication Configuration Firmware Guide of firmware installed on the reader.
- Dipswitch functions for SW2 - pages 29-30 of the Install Guide.
- Squelching the read range - pages 32-33 of the Install Guide.
- OSDP Installation - pages 13-15 of the Install Guide

Orientation:



Horizontally (normal application) the reader emits an 80-degree wide by 40-degree high oval beam.

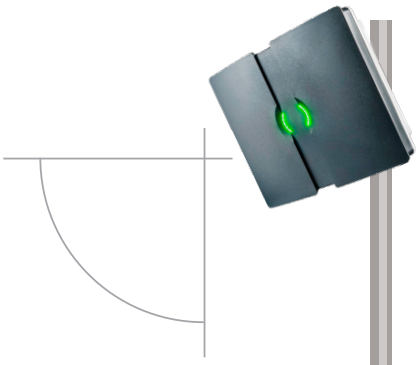
Vertically the reader emits a 40-degree wide by 80-degree high beam. This is recommended for multi-lane applications to prevent cross talk.

Tag Enrollment:

Out of box the reader is set to output W26 with the FC of 10.
The orange circle is the 6-digit W35 or higher ID number.
The blue circle is the 5-digit W26 ID number.
Do not include the dash or number after the dash.

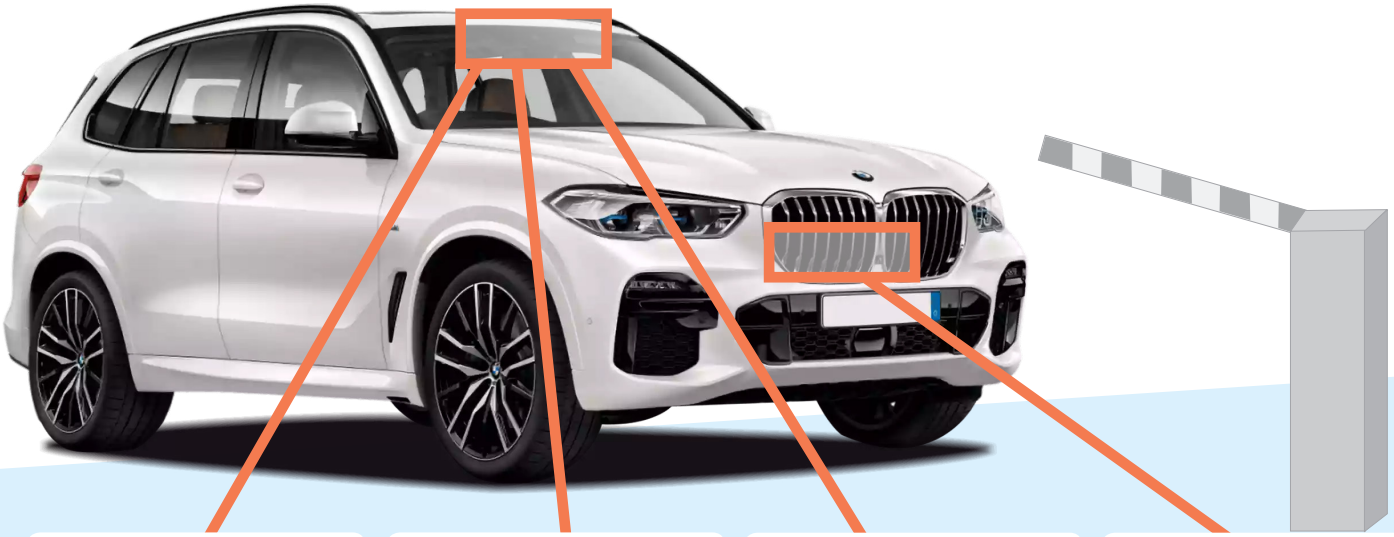
Installation Height:

Best practice is to mount the reader 4-6 ft above the highest tag placement and angle the reader down and across (45 degrees) the read lane.



Tag Placement:

Metalized content will block tag signals. Best practice is to utilize external mount tags for this occurrence.



8.5 - 10 ft.

Compact Window Button

Window Button & Window Button with switch

Prox Booster Single and Dual ID, Smart Card, & End2End

Heavy Duty Tag