



Mini Install Guide



TRANSIT Ultimate

Quick Install Sheet

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.

Power Supply:

Linear 24vdc 2-3 AMP

Cabling:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate pair (14-18 Gauge) for the power supply.

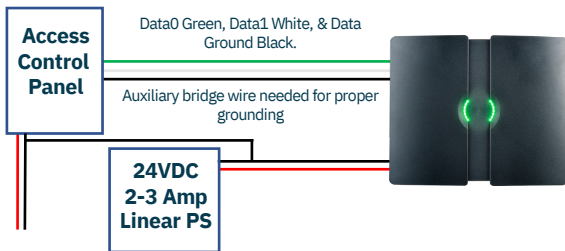
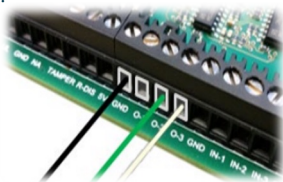
Wiring and Communication:

Data Ground — GND above 0-1

D0 (green) — 0-2

D1 (White) — 0-3

Grounding:



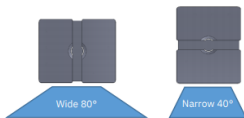
Continuity is created by landing a jumper between the 12v ground powering the access control panel to the 24v ground powering the reader.

Additional Resources: portal.nedapidentification.com

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#. The blue circle is the 5-digit W26 ID# (do not include the – or # after the dash.)

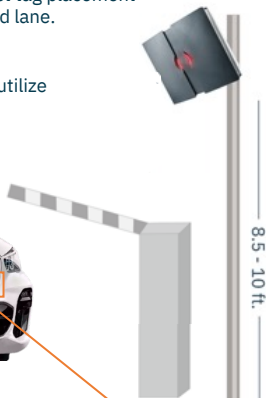


Installation Height:

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.



Window Button



Window Button
with Switch



Prox Booster
Single, Dual ID, & Smartcard



Heavy-Duty Tag

Quick Shots:

- OSDP Installation Pages 13-15 Install Guide

uPASS Target

Quick Install Sheet

Out of the box, the reader is set to maximum read range and to output Wiegand 26. See manual for additional communication options.

Power Supply:

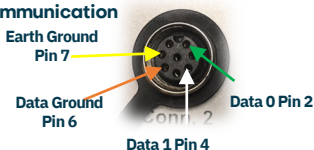
Linear 24vdc 2-3 AMP

Cabling:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate pair (14-18 Gauge) for the power supply.

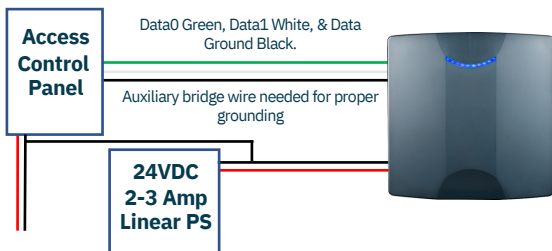
Wiring: Communication



Power



Grounding:



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

Additional Resources: portal.nedapidentification.com



Tag Enrollment:

Stock Tags indicate their programming and facility code on the box within the description (UHF W26 FC:020).

Special Programmed Tags indicate their programming and facility code on the submitted order. You will be able to go in and enroll your tags with the information provided in your order.



Stock Tag



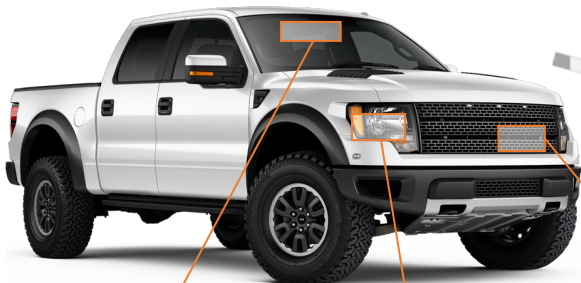
Special Tag

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:

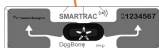
Metalized content will block tag signals. Best practice is to utilize external mount tags for this occurrence.



8.5 - 10 ft



Windshield Sticker Tag



External Sticker Tag



External Heavy-Duty Tag

Quick Shots:

- OSDP Installation Pages 13-15 Install Guide
- UHF Windshield Tags and Exterior Tag Installation sheets (available on our Partner Portal for download.)

uPASS Reach

Quick Install Sheet

Out of the box, the reader is set to output Standard Wiegand Communication and is set to max read range and antenna power.

Power Supply:

Linear 24vdc 2-3 AMP

Cabling:

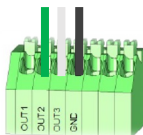
Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate pair (14-18 Gauge) for the power supply.

Wiring:

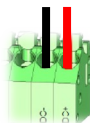
Communication

D0 (green)	OUT-2
D1 (White)	OUT-3
Data Ground	GND

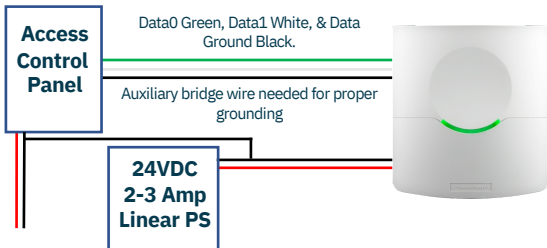


Power

DC+(Red)
DC- (Black)



Grounding:



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

Additional Resources: portal.nedapidentification.com



Tag Enrollment:

Stock Tags indicate their programming and facility code on the box within the description (UHF W26 FC:020).

Special Programmed Tags indicate their programming and facility code on the submitted order. You will be able to go in and enroll your tags with the information provided in your order.



Stock Tag



Special Tag

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.



Windshield Sticker Tag

External Sticker Tag

External Heavy-Duty Tag

Quick Shots:

- Other communication wiring setups Pages 17 & 18 of the Installation Guide.
- OSDP Configurations Pages 19-20 of the Installation Guide
- Dipswitch settings Pages 27-29 of the Installation Guide.

uPASS Access

Quick Install Sheet

Out of the box, the reader is set to output Standard Wiegand Communication and is set to max read range and antenna power.

Power Supply:

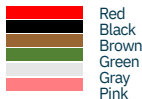
Linear 24vdc 2-3 AMP

Cabling:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate pair (14-18 Gauge) for the power supply.

Wiring:

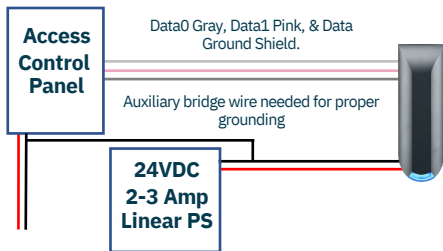


Power supply 24VDC Linear 2-3 Amp.
Power supply 0VDC, DC-Ground.
RS485 A-
RS485 A+
Data-0 / Clock
Data-1 / Data

**Additional wiring information
found in the Install Guide**



Grounding:



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

Additional Resources: portal.nedapidentification.com

Tag Enrollment:

Stock Tags indicate their programming and facility code on the box within the description (UHF W26 FC:020).

Special Programmed Tags indicate their programming and facility code on the submitted order. You will be able to go in and enroll your tags with the information provided in your order.

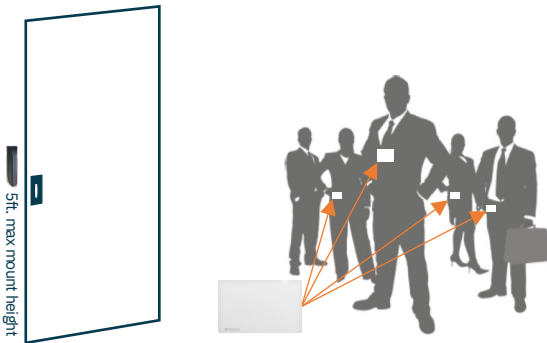
Installation Height:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate pair (14-18 Gauge) for the power supply.

The Way it Works:

For optimal performance, readers should be mounted on the same side to stay consistent with the badging. Line of sight is needed in order to create accurate reads. The uPASS Access offers convenient secure door access. However, it's not a good solution for mustering or people tracking since reads can be blocked.



Quick Shots:

- Other communication wiring setups Pages 8-10 of the Installation Guide.
- OSDP Configurations Pages 11-13 of the Installation Guide
- UHF Tag Installation sheets (available on our Partner Portal for download.)

LUMO

Quick Install Sheet

The software is embedded in the camera. No additional license fees. See manual for additional wiring information.

Power Supply:

Linear 24vdc 2-3 AMP

Cabling:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

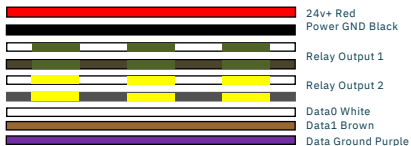
A separate pair (14-18 Gauge) for the power supply.



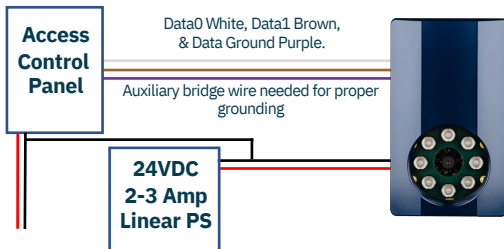
Wiring:

The LUMO comes with a wiring harness and network connection from the reader.

Stand Alone: 2 Standard Outputs



Grounding:

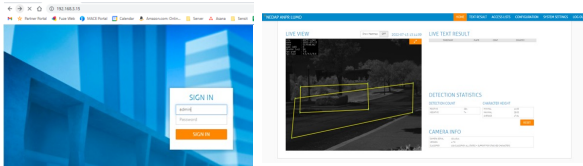


Continuity is created by landing a jumper between the 12v ground powering the access control panel to the 24v ground powering the reader.

Additional Resources: portal.nedapidentification.com

Connecting to the LUMO:

Default address is 192.168.3.15. Default username is “admin” and the password is “secret”. This will bring you to be able to set up and configure the reader using an easy-to-use web interface. More details are in the installation guide.



Installation Height:

Best practice is to mount the reader at license plate height (can be installed up to 12 ft high) and not greater angle than 25 degrees down a single lane. If the State does not require front plates the same applies but pointing towards the back plate.

