

Materials List

NEDAP TRANSIT Reader

Power Supply: 24V DC 1 Amp (Regulated)

Wiegand Wiring (3 X 24 AWG – Max 500 ft)

Special Tools: 3/16 Allen wrench

Pole mount Kit (optional)

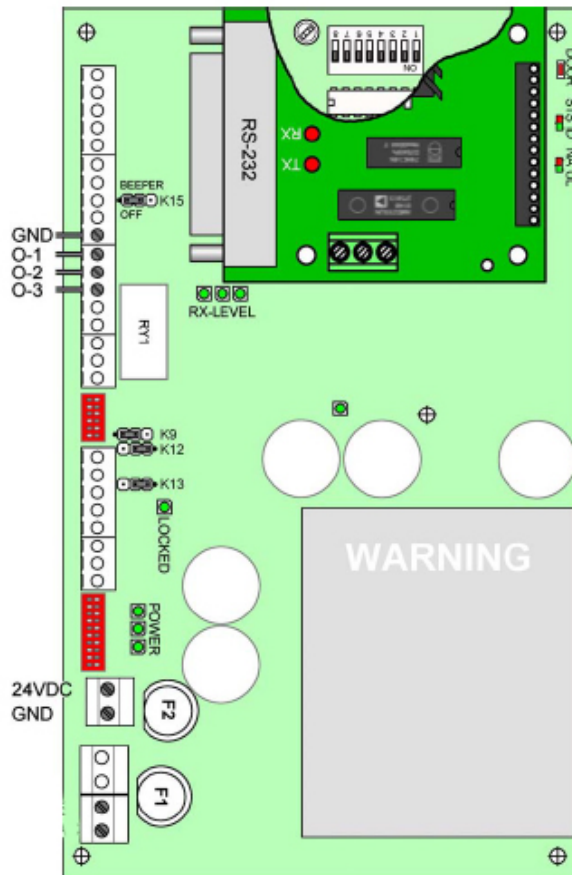
* Power supply not sold through Nedap

Installer Check-List

1. Take inventory of Materials.
2. Maintain that you have the correct power unit for the Reader. (Quick install Guide p.2)
3. Install the power unit for the Reader.
4. Make sure that all power LED's are lit green once unit is powered.
5. Make sure the Reader is properly grounded.
6. Mount the Reader to a pole or flat surface. (8 to 12 feet high is recommended)*
7. Connect Wiegand Wiring. (Quick install Guide p.2)
8. Ground Shielding for Wiegand Wiring to prevent electrical interference.
9. Adjust the Reader Angle. (Down towards the middle of the lane within a measured distance of 33")
10. Check interference LED's. (Rx level LED's in middle of main board)*
11. Adjust the Reader Frequency. (Quick install Guide p.3)
12. Adjust Read range. (Quick install Guide p.3) (Potentiometer: 10 o'clock max – 2 o'clock min)

* (Pole mounting kit sold separately)

PS270 Board



Reader & Tag Test

- 1. Hold the tag by its edges being careful not to cover the reflective side of the tag with your fingers.**
(The reflective side of the tag is the suction cup side except in heavy duty and compact tags)
- 2. Face the reflective side of the tag towards the reader.**
(The system is directional and works like a mirror and flashlight combination, the reader being the flashlight)
- 3. Listen for the audible sound from the reader.**
(The reader will beep once it sees the tag. Beeper switch must be in on position)

*** Refer to the tag installation guide for additional information.**

Trouble shooting

- 1. The back panel does not appear to receive any information from the Reader?**
 - Perform the Wiegand Output Test below to confirm the reader is transmitting to the back panel.
- 2. How can I improve my read range?**
 - There may be frequency interference in the area. Off set the frequency dip-switches to correct.
- 3. The back panel is receiving strange numbers.**
 - Check dip switch settings to ensure proper Wiegand data type is selected. Consult P81 firmware document for proper settings. Ensure power is removed from unit prior to removal of RS-232 communications board. Dip switches are located underneath RS-232 board.

Wiegand Output Test -

- 1. Remove the RS232 board to gain access to the DIP-Switches located on the main board.**
- 2. Change DIP-Switches 1, 2, and 3 to the OFF position.** (All other DIP-switches remain unchanged)
- 3. Restart the reader's power to enable the changes made to the Dip-switches.**
- 4. Locate the black wire connected to the GND & DOOR slots of the green bus-line.**
- 5. Disconnect the GND end of the wire, moving it to the 03 slot directly above the DOOR slot.**
- 6. Locate the red (Door Closed) LED in the upper right corner of the main board.**
- 7. The (Door Closed) LED should blink 3 times per second.**
- 8. Now disconnect the 03 end of the wire, moving it to the 02 slot directly above.**
- 9. The (Door Closed) LED should blink 2 times per second.**
- 10. Now disconnect the 02 end of the wire, moving it to the 01 slot directly above.**
- 11. The (Door Closed) LED should blink 1 time per second.**