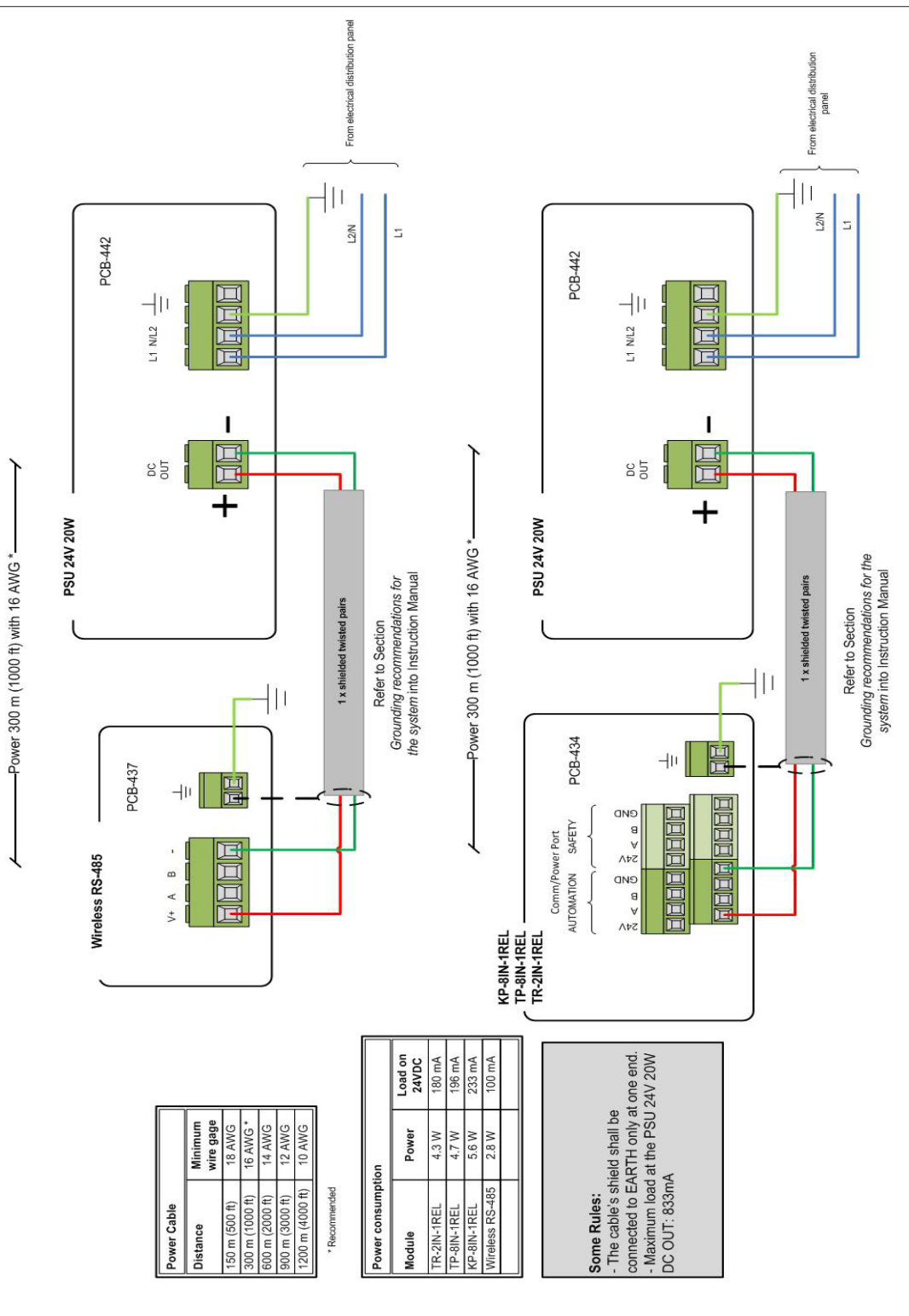


NOTE: For more complete information on the product, please refer to the manual on the USB key provided with your Agri Alert 128 Touch or go to the following web sites :

AP website: <http://www.automatedproduction.com/en/apmanuals.php>

Cumberland website: <http://www.cumberlandpoultry.com/sales-and-service/manuals.html>

## POWER SUPPLY and WIRELESS SUBNET Scheme



| Power Cable      | Minimum wire gage |
|------------------|-------------------|
| 150 m (500 ft)   | 18 AWG            |
| 300 m (1000 ft)  | 16 AWG *          |
| 600 m (2000 ft)  | 14 AWG            |
| 900 m (3000 ft)  | 12 AWG            |
| 1200 m (4000 ft) | 10 AWG            |

\* Recommended

| Power consumption |                     |
|-------------------|---------------------|
| Module            | Power Load on 24VDC |
| TR-2IN-1REL       | 4.3 W 180 mA        |
| TP-8IN-1REL       | 4.7 W 196 mA        |
| KP-8IN-1REL       | 5.6 W 233 mA        |
| Wireless RS-485   | 2.8 W 100 mA        |

**Some Rules:**

- The cable's shield shall be connected to EARTH only at one end.
- Maximum load at the PSU 24V 20W DC OUT: 833mA



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## Technical Specifications

### PSU 24V 20W ratings

INPUTS : Supply Input : 100Vac-240Vac,  $\pm 10\%$ , 50-60Hz, 1 phase, 20W

OUTPUT: DC Out : 24Vdc, 833mA Max

Operating Temperature: 0 to 40°C (32 to 104°F)

Environment type: Indoor use only

Pollution Degree: 2

Installation Category: 2

Altitude: 2000 Meters Max. (6561 Ft. Max)

Humidity (maximum relative) operating:

- 0 to 10 °C (32 to 50 °F) Non condensing
- 10 to 30 °C (50 to 86 °F) 95 % ( $\pm 3$  %) Non condensing
- 30 to 40 °C (86 to 104 °F) 95 % ( $\pm 3$  %) Non condensing

IP rating (IEC 60529): 66

Nema Rating (Nema 250): 4x

Flame rating (UL94): 5VA V-0

Flame rating (IEC 60695 or IEC 60707): FV-0

IK rating (degree of mechanical protection - impact, IEC 62262): 08

**Table 1** PSU 24V 20W - Functional ratings

|                      |                        |                    |
|----------------------|------------------------|--------------------|
| Enclosure Dimensions | Height                 | 178 mm (7 inches)  |
|                      | Width                  | 229 mm (9 inches)  |
|                      | Depth                  | 76.2 mm (3 inches) |
| Weight               | 816.47 grams (1.80lbs) |                    |

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