

Wind Control Panel - Digital (WCP-D)

Ryse Energy is pleased to offer a digital wind control panel for use with all AIR Wind Turbines (see chart below). The panel (WCP) is easy to install and will result in a professional “operator station” enhancing the beauty and value of the “Hybrid” system installation. The WCP-D includes a full indoor only, black plastic enclosure. Dimensions are: L - 6.5 inch / W - 4.25 inch / D - 2.5 inches. The WCP-D helps to reduce installation costs and makes wiring a snap with just 4 wires to connect (see user manual for diagram). The WCP-D is available in 5 options which are model and voltage

P/N	BREAKER SIZE	TURBINE TYPE
2-ARAC-D-5	5 A	AIR 40/ AIR BREEZE 48 V
2-ARAC-D-10	10 A	AIR 40/ AIR BREEZE 24 V
2-ARAC-D-20	20 A	AIR 30/ AIR MaX/ AIR X MARINE/ SILENT X MARINE 48 V
2-ARAC-D-20	20 A	AIR 40/ AIR BREEZE 12 V
2-ARAC-D-25	25 A	AIR 30/ AIR MaX/ AIR X MARINE/ SILENT X MARINE 24 V
2-ARAC-D-40	40 A	AIR 30/ AIR MaX/ AIR X MARINE/ SILENT X MARINE 12 V



The **WCP-D** monitors and provides a manual control of the wind turbine. It is equipped with a power ON/OFF circuit breaker, digital meter, and a Stop/Run switch (for direct control of the turbine). The Stop/Run switch is a direct short to the windings of the stator, essentially connecting the negative and positive wires via the stop switch. This does NOT stop the blades but will reduce the blade rotation so it does not reach the required RPM for current flow. The digital meter (equipped with a 50amp shunt) provides critical operational information; real time battery voltage, current in amps, power in Watts and accumulated energy in W/hours (re-settable). A clearly marked rear terminal block is provided for easy interconnect of the two turbine wires and two battery power wires. The WCP terminal blocks will accept an 8 AWG or smaller wire size. If a larger gauge wire is required, use a few inches of 8 AWG wire to transition to the terminal blocks. Panel is fully factory calibrated and ready for installation.



WIND CONTROL PANEL WIRING DIAGRAM

