

Interface Definitions

outside_to_system_acpwr	Vmin: 115 VAC Vmax: 125 VAC Ipeak 15A Inominal 500mA
outside_to_system_userin	Turn light (1 / 2) ON(button), Turn light (1 / 2) OFF(button), Turn both lights ON/OFF (sound control)
system_to_outside_acpwr	Up to 100 Watts for two sources simultaneously
outside_to_fuse_acpwr	I(nominal): 2A I(peak): 5A Vmin: 115 VAC Vmax: 125 VAC
pwr_thru_fuse	I(nominal): 2A I(peak): 5A Vmin: 115 VAC Vmax: 125 VAC
5V_pwr_to_pi	I(nominal): 120mA I(peak): 2.5A Vmin: 4.5V Vmax: 5V
outside_to_system_userin	Inputs: on/off for power outputs 1 and 2 of the switch
relay_ctrl	Vmin: 0 V Vmax: 3.3 V Inominal: 3 mA Ipeak: 16 mA
GUI_interface	Outputs: GUI on web page accessible by mobile device Channel 1 On/Off button Channel 2 On/Off button Sound Activation On/Off button Channel 1 current display Channel 2 current display
sound_data	Outputs digital signal

raw_current_data	Vmin: 0V Vmax: 550mV
digital_current_data	Outputs digital signal
5V_pwr_to_nano	Vmin: 5V Vmax: 5V Inominal: 3mA Ipeak: 16mA
LED_ctrl	Vmin: 4V Vmax: 7V Inominal: 144mA Ipeak: 144mA