GROVEPI+

DEXTER INDUSTRIES

Legend:
- Power (red)
- Ground (black)
- Digital (orange)
- Analog (blue)
- PWM (green)
- Control (yellow)
- Port Name (gray)

RPI/Grove Pinout Definitions

Port #	Pins on Port #	Type	Sensor/Module
SERIAL	D0 & D1	DIGITAL & SERIAL	Grove Buzzer
D2	D2 & D3	DIGITAL	Grove - Temperature&Humidity Sensor Pro
D3	D3 & D4	DIGITAL	Grove - Water Atomization
D4	D4 & D5	DIGITAL	Grove - 2-Channel SPDT Switch 1 (Top Connector) – LED Lights
			Grove - 2-Channel SPDT Switch 1 (Bottom Connector) – Exhaust Fan
D5	D5 & D6	DIGITAL	-
D6	D6 & D7	DIGITAL	Temp Alarm LED
D7	D7 & D8	DIGITAL	Humid Alarm LED
D8	D8 & D9	DIGITAL	Moisture Alarm LED
A0	A0 & A1	ANALOG	-
A1	A1 & A2	ANALOG	Grove MQ2 Air Sensor
A2	A2 & A3	ANALOG	Grove - Moisture Sensor
I2C-1		I2C	-
I2C-2		I2C	-
I2C-3		I2C	Grove - LCD RGB Backlight
RPRISER		RPI SERIAL	

All pins use +5v for voltage

TEMP ALARM LED

HUMID ALARM LED

SMOKE/COMBUSTION

SOIL MOISTURE

LCD RGB BACKLIGHT

MOISTURE ALARM LED

SMOKE ALARM BUZZER

TEMP & HUMIDITY

WATER ATOMIZER

LED LIGHT RELAY (TOP CONN)

EXHAUST FAN RELAY (BOTTOM CONN)