


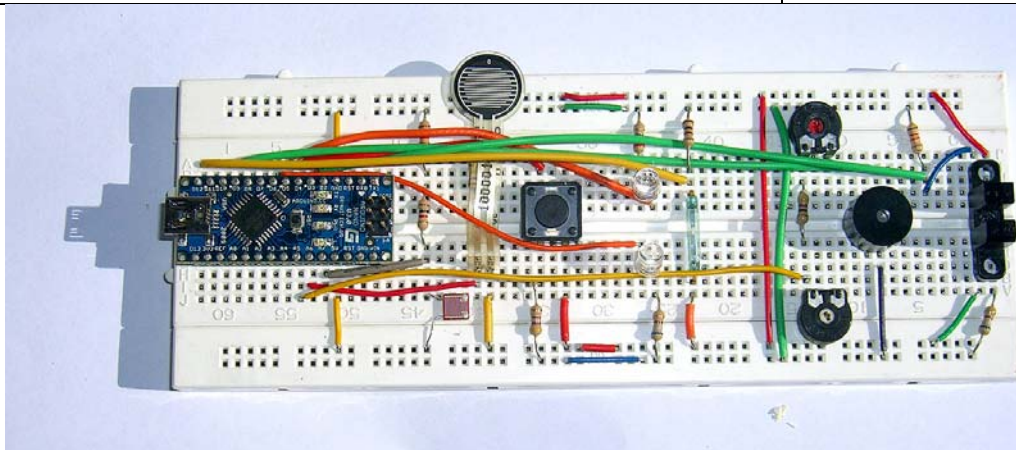
Hardware, Sensorik & Microcontroller for RichMediaApps

Main Topic: Sensor Demo Board

Keywords: Arduino Sensor Board, PWM, Input/Output

NIS Sensor Demo Board

Event Counter <input type="text" value="906"/> Digital Pin 3 (INPUT Lichtschanke) <input checked="" type="checkbox"/> Digital Pin 4 (INPUT Button) <input type="checkbox"/> Digital Pin 12 (INPUT Reed) <input type="checkbox"/> 	Analog 7 (Light 3K) <input type="text" value="850"/> Analog 6 (Druck 90M) <input type="text" value="620"/> Analog 5 (Drehpoti 250) <input type="text" value="103"/> Digital 6 PWM (LED) <input type="text" value="10"/> Digital 9 PWM (Speaker) <input type="text" value="0"/> Digital Pin 5 (OUTPUT) <input checked="" type="checkbox"/> Digital Pin 13 (OUTPUT) <input checked="" type="checkbox"/> Rotation Button - Dig. Pin 11 (OUTPUT) <input checked="" type="checkbox"/>	Drehgeber & Button Lichtschanke Reed Kontakt Buzzer (PWM) LED (Digital) LED (PWM) LED (onboard P13) Licht-R Druck-R Button (Digital) Poti(s) U-Teiler
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Codebeispiel

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01 a.addListener(ArduinoEvent.ANALOG_DATA, onReceiveAnalogData);
02 a.addListener(ArduinoEvent.DIGITAL_DATA, onReceiveDigitalData);
03 ...
04 switch (e.pin) {
05     case 3 :// TCST 2103 - lichtschranken
06         dataDigital3.selected = (e.value == "0" ? false : true);
07         break;
08     case 7 :// rotary button
09         check_rotation(1, (e.value == "0" ? false : true));
10         break;
11     case 8 :// rotary button
12         check_rotation(2, (e.value == "0" ? false : true));
13         break;
14     case 11 :
15         dataDigital11.selected = (e.value == "0" ? false : true);
16         e.value=="0"?myRotation.gotoAndStop(2):myRotation.gotoAndStop(1);
17         break;
18     ...
19
20 // SPEAKER - set a pin to PWM for Audio
21 a.setPinMode(9, Arduino.PWM);
22 a.writeAnalogPin(9, myPWM);
23
24
                
```

轴旋转方向 Shaft rotational direction	信号 Signal	输出波形 Output
顺时针方向 C. W.	A(A-C端子) A(Terminal A-C)	ON OFF
	B(B-C端子) B(Terminal B-C)	ON OFF
反时针方向 C. C. W.	A(A-C端子) A(Terminal A-C)	ON OFF
	B(B-C端子) B(Terminal B-C)	ON OFF