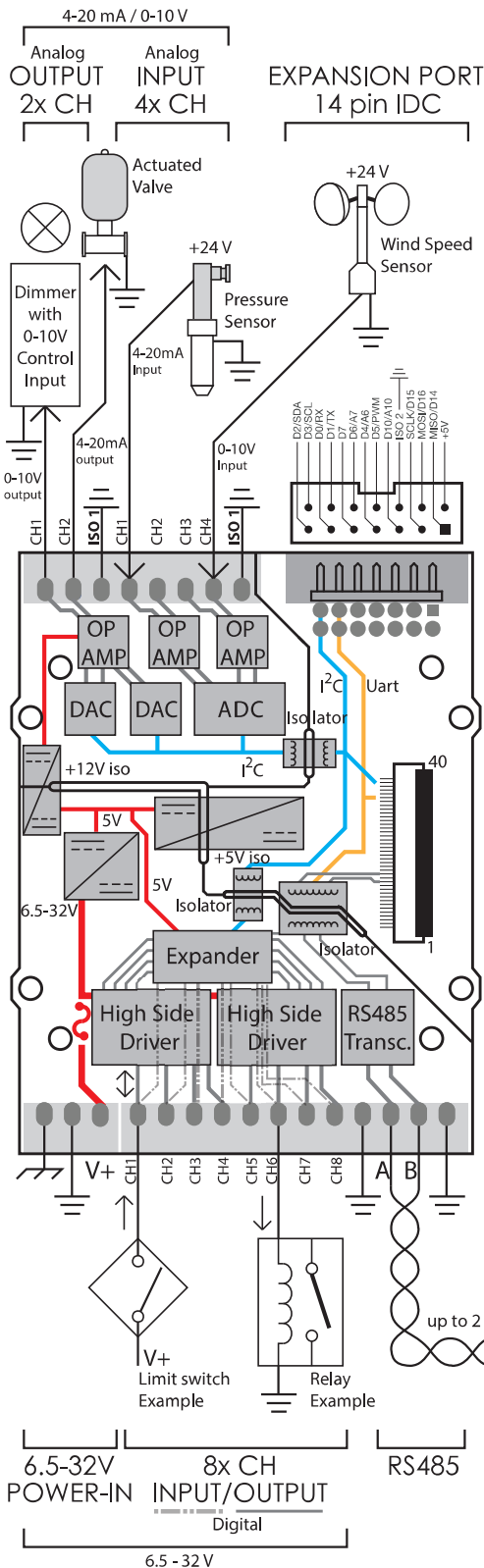


Industruino Ind.I/O

with ATSAM21G18 MCU

www.industruino.com
connect@industruino.com

IND.I/O BASEBOARD



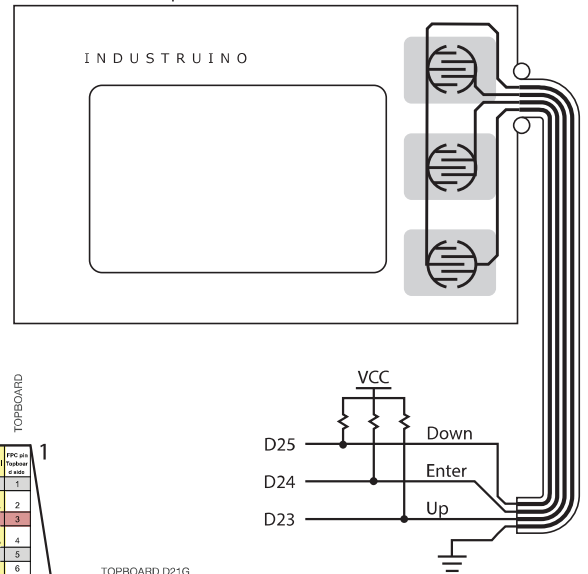
40 pin FPC cable

BASEBOARD	ATMEGA PIN	PORT PIN	Special Function	Digital Pin	Analog Pin	PWM Pin	Serial Pin	FPC pin
40	26	PA17	i2c SCL	3	3	3	SCL	1
39	25	PA16	i2c SDA	2	2	2	SDA	2
38	27	PA18	Serial TX	1	1	1	TXD	3
37	28	PA19	Serial RX	0	0	0	RXD	4
36	31	PA22		17				5
35	32	PA23	SPI SCLK	15			SCLK	6
34	37	PB22	SPI MISO	14			MISO	7
33	38	PB23	SPI MOSI	16			MOSI	8
32								9
31								10
30								11
29								12
28								13
27								14
26								15
25								16
24								17
23								18
22								19
21								20
20								21
19								22
18								23
17								24
16								25
15								26
14								27
13								28
12								29
11								30
10								31
9								32
8								33
7								34
6								35
5								36
4								37
3								38
2								39
1								40

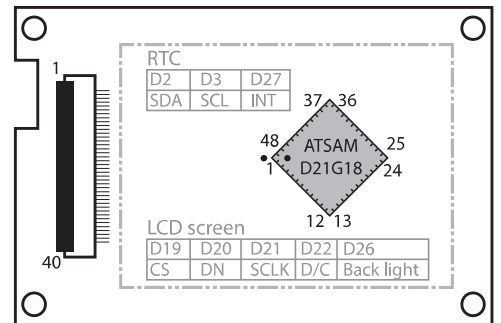
Legend:

- GND PIN
- VCC PIN
- DIGITAL PIN
- ANALOG PIN
- PWM PIN
- SERIAL PIN

BUTTON PANEL
4 pin FPC cable



TOPBOARD D21G



IND.I/O is an Arduino IDE programmable controller.

*"Power-in /digital field zone", "Analog field zone" and "MCU zone" are isolated from each other. Where single power supply is used for both power-in and analog peripherals the respective GND's need to be tied together.

*The majority of IND.I/O board functions are controlled via i2c, therefore it requires the "Indio" library which can be found on our website.

Ind.I/O Baseboard

8 CH 24V digital I/O
4 CH 0-10V/4-20mA analog IN
2 CH 0-10V/4-20mA analog OUT
Isolated RS485 transceiver
3 isolated supply rails.

Topboard D21G

ATSAMD21G18 MCU
Flash Memory 256 KB
SRAM 32 KB
Clock Speed 48 MHz

INDUSTRUINO



Arduino libraries are available for download on our website:
www.industruino.com

Industruino is an Arduino compatible industrial controller with LCD screen, housed in a robust DIN-rail casing.