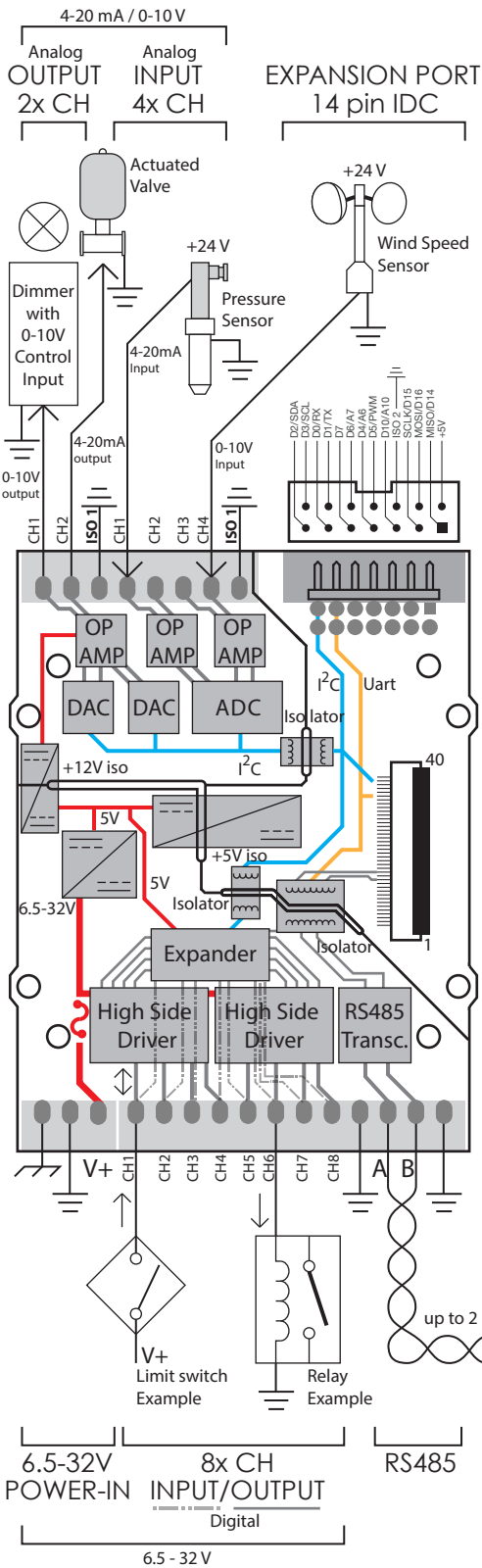


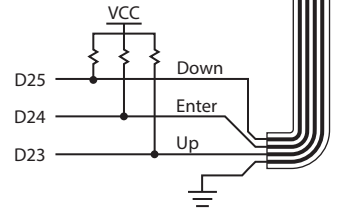
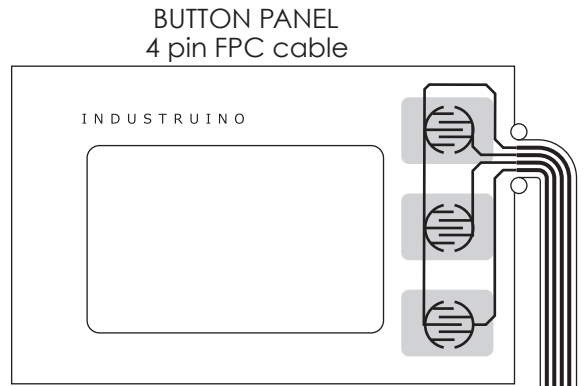
IND.I/O BASEBOARD



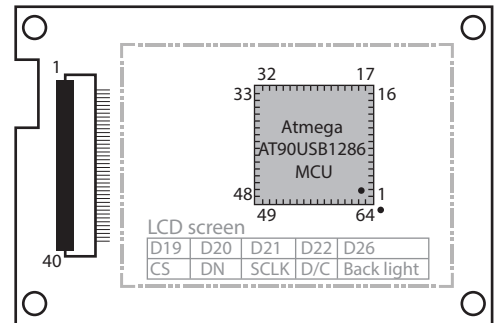
40 pin FPC cable

FPC pin Base board side	IND.I/O	Atmega Pin	Port Pin	Pin Function	Digital Pin	Analog Pin	PWM Pin	Serial Pin	FPC pin Top board side
39	I2C SCL - main control bus / 14p IDC	18	PD0	INT0/OC0B	3		3	SCL	2
37	I2C SDA - main control bus / 14p IDC	19	PD1	INT1	2			SDA	4
35	RS485 TX / 14p IDC	21	PD3	INT3	1			TXD1	6
33	RS485 RX / 14p IDC	20	PD2	INT2	0			RXD1	8
32		8	PB0	SS/POINT0	17				9
30	14p IDC expansion connector	9	PB1	SCLK/PC1NT1	15			SCLK	11
28	14p IDC expansion connector	11	PB3	MISO/PC1NT3	14			MISO	13
27	14p IDC expansion connector	10	PB2	MOSI/PC1NT2	16			MOSI	14
26				RESET					15
25				VIN					16
24									17
23	14p IDC expansion connector	37	PC2		4				18
21	14p IDC expansion connector	38	PC3	T3	5				20
19	14p IDC expansion connector	39	PC4	OC3C	6		6		22
17	14p IDC expansion connector	40	PC5	OC3B	7		7		24
15	24V digital input PCINT	41	PC6	OC3A	8		8		26
13	RS485-E 14p IDC expansion connector	42	PC7	CLK0	9				28
11		54	PF7	TDI	10	A10			30
9		55	PF6	TDO	11	A11			32
7		56	PF5	TMS	12	A12			34
5		57	PF4	TCK	13	A13			36
3		58	PF3	TCK	13	A13			38
2		62		AREF					39

- GND - ISO 1 PIN
- VCC - ISO 1 PIN
- DIGITAL PIN
- ANALOG PIN
- PWM PIN
- SERIAL PIN



TOPBOARD 1286



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.

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 1286

- Atmega AT90USB1286 MCU
- Flash Memory 128 KB
- SRAM 8 KB
- EEPROM 4 KB.