

iIO iSI module— DATA SHEET

... the DOLI intelligent Sensor Interface module for universal digital inputs and outputs

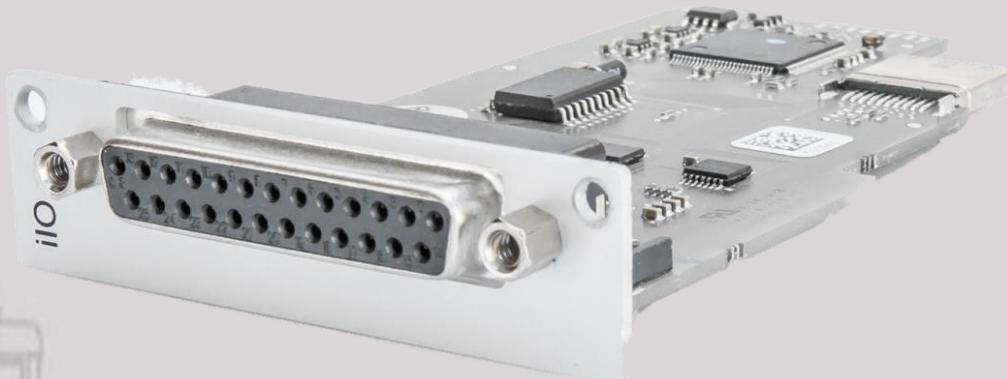
CHARATERISTICS

DIGITAL INPUT

- **DIG IN:** 8
- **Input level:** 1.9mA @ 24V each
- **Input:** low < 1.0V
high > 4.8V
- **Driver components:** automatic shut-off at a short circuit condition
- **Type:** open emitter, +24VDC (internal voltage supply)

DIGITAL OUTPUT

- **DIG OUT:** 8
- **Additional supply voltage:** 1x 5V
1x 24V
- **Low level:** Open output
- **High level:** +22 to +24VDC



FEATURES

- Universal DIG IO card for universal purposes
- “Plug and Play” with EDCi controller
- Integrated “ready to use” key functions for your testing application

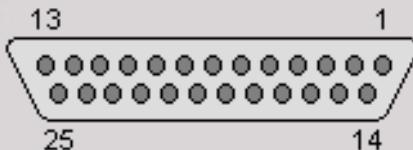
COMPATIBLE

- EDCi2x/5x/7x

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PIN DESCRIPTION



Pin	Name	Function	Signal type
1	GND		
2	IN1	Digital input	Ie=1.5mA @ 24V
3	IN3	Digital input	Ie=1.5mA @ 24V
4	IN5	Digital input	Ie=1.5mA @ 24V
5	IN7	Digital input	Ie=1.5mA @ 24V
6	GND		
7	OUT1	Digital output	100 mA*
8	OUT3	Digital output	100 mA*
9	OUT5	Digital output	100 mA*
10	OUT7	Digital output	100 mA*
11	n.c.		
12	+5VDC	Supply voltage	50mA max.
13	+24VDC	Supply voltage	100mA max**
14	INO	Digital input	Ie=1.5mA @ 24V
15	IN2	Digital input	Ie=1.5mA @ 24V
16	IN4	Digital input	Ie=1.5mA @ 24V
17	IN6	Digital input	Ie=1.5mA @ 24V
18	GND		
19	OUT0	Digital output	100mA*
20	OUT2	Digital output	100mA*
21	OUT4	Digital output	100mA*
22	OUT6	Digital output	100mA*
23	n.c.		
24	GND		
25	+24VDC	Supply voltage	100mA max**

* The total sum of the output currents must not exceed 350 mA excluding the +24 VDC supply.
Consider power supply capabilities of the complete EDCi-System.

** The total sum of the output currents at +24 VDC must not exceed 100mA.

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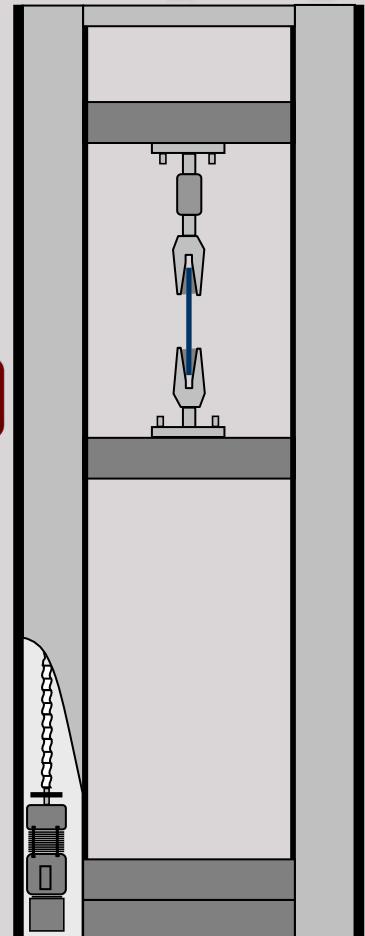
APPLICATION REFERENCE



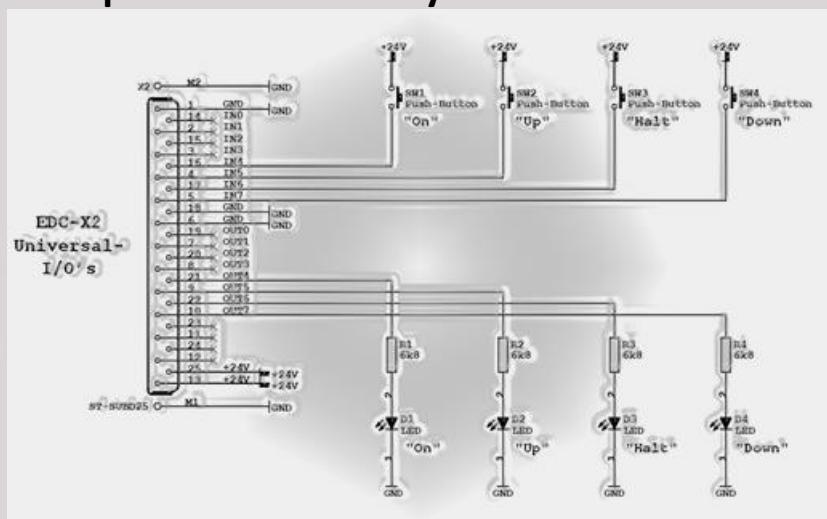
EDCi20 electric cabinet design



EDCi22A desktop design with RMCi1



Example how to create your own remote control unit



Code	Description	Part number
iIO	24 volt-I/Os (8 outputs, 8 inputs)	1000498