

TEX-I/O Range

Digital expanders for the TEX-ICC400 controller

The TEX-I/O range is a series of digital expanders for the TEX-ICC400 Intelligent Customisable Controller. These DIN-rail mountable modules can have up to 58 digital inputs and 60 digital outputs, and come with full status indication.

TEX-I/O Specifications:

- *Power required* 24V \pm 10% DC, 100mA max (not including external load).
- *Bus* Internal TEX-ICC400 Bus, current from Bus at 5V is:
 - 0.07A (TEX-I/O-04)
 - 0.08A (TEX-I/O-1012)
 - 0.15A (TEX-I/O-2628)
 - 0.23A (TEX-I/O-4244)
 - 0.30A (TEX-I/O-5860)
- *Operating temperature* From 0 to 50°C at full output ratings.
From 50 to 70°C with output currents reduced to 40% of rating.
- *Humidity* From 5% to 85% RH non-condensing.



TEX-ICC400 fitted with a 2628 I/O module

Digital Inputs:

The digital inputs are in two groups of 5 on the first block and two groups of 8 on any successive blocks. (There are no digital inputs on the TEX-I/O-04.) They can be programmed for source or sink current by connecting the group common to GND or 24V. The inputs are isolated through bi-directional opto isolators.

- *Wetting current* 7mA wetting current required for digital inputs
- *Isolation to ground* 300V RMS

Digital Outputs (Rated At 50°C Ambient):

The setpoint outputs are a combination of 2x form A relays, 2x form C relays and between 8 and 56 open collector outputs (depending on the I/O module).

- SP1 to SP2 Form A relays, rated to 5A at 240V AC resistive load
- SP3 to SP4 Form C relays, rated to 10A at 240V AC resistive load
- SP5 to SP12 Open collector outputs (if applicable)
- DO1 to DO48 Open collector outputs (if applicable)

Open collector output ratings at 50°C ambient:

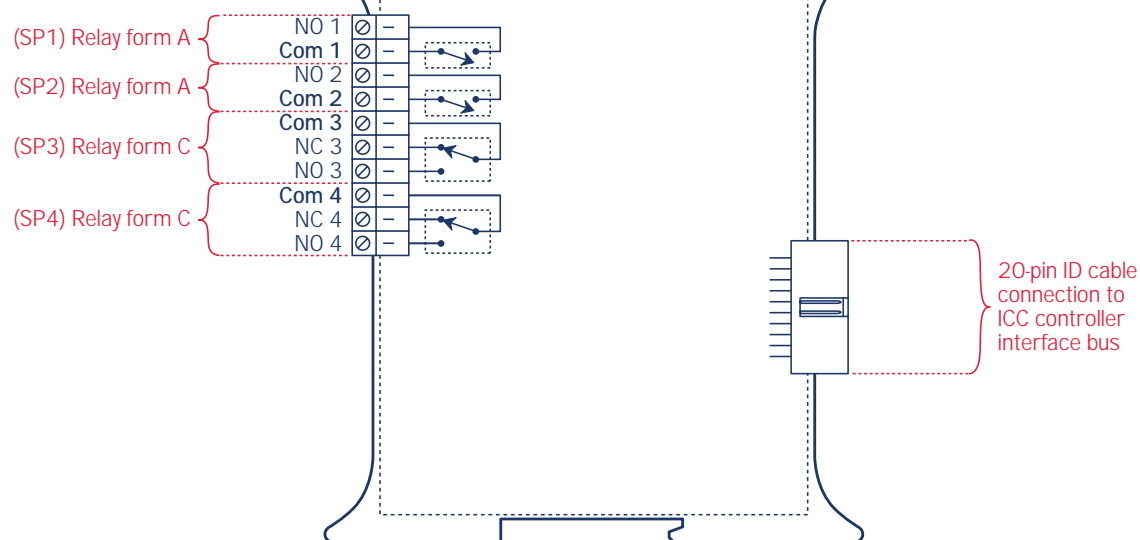
- Isolation to ground 300VRMS
- Isolation type Optocoupler
- Output device N-channel FET (open collector)
- Maximum current 0.5A DC
- Protection Short circuit proof.
- Max load (8 CH) 4A

Terminal Connections:

Each diagram is one block. Blocks 2-5 do not apply to all TEX-I/O modules - (refer to captions).

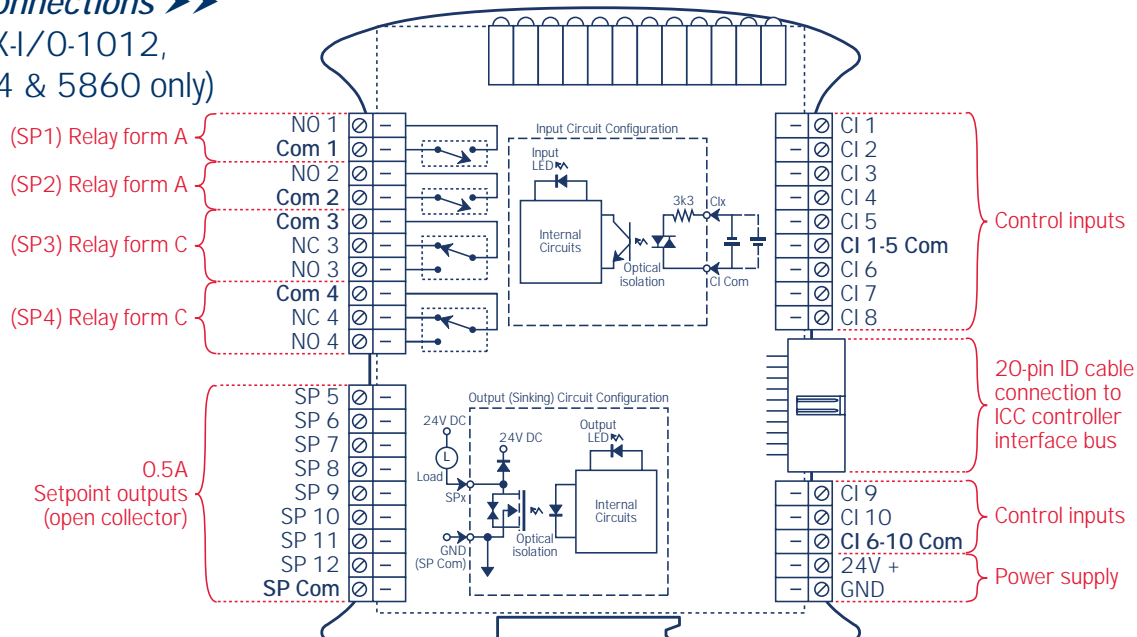
Terminal Connections >>

Block 1 (TEX-I/O-04 only)



Terminal Connections >>

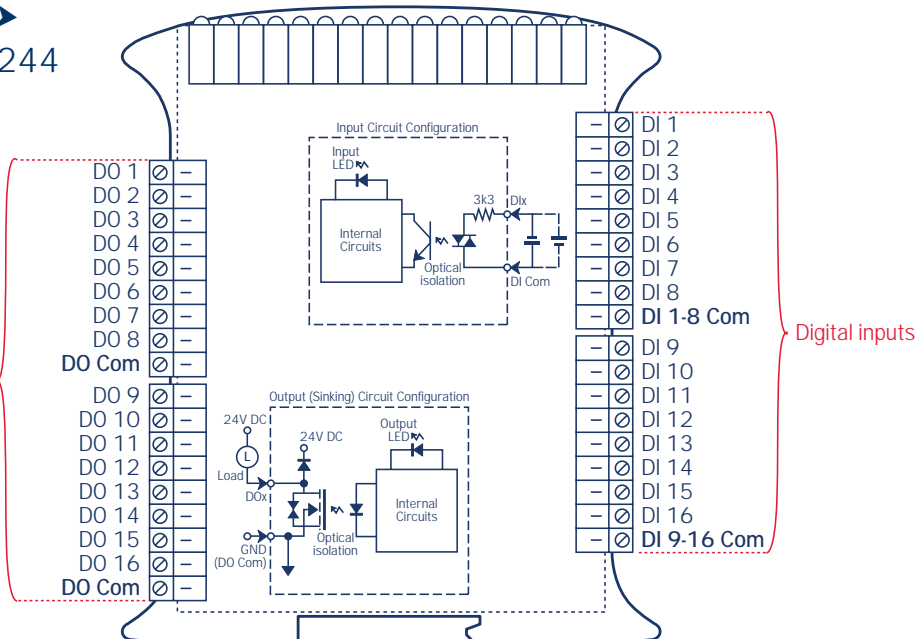
Block 2 (TEX-I/O-1012, 2628, 4244 & 5860 only)



Terminal Connections ➤➤

Block 3 (TEX-I/O-2628, 4244 & 5860 only)

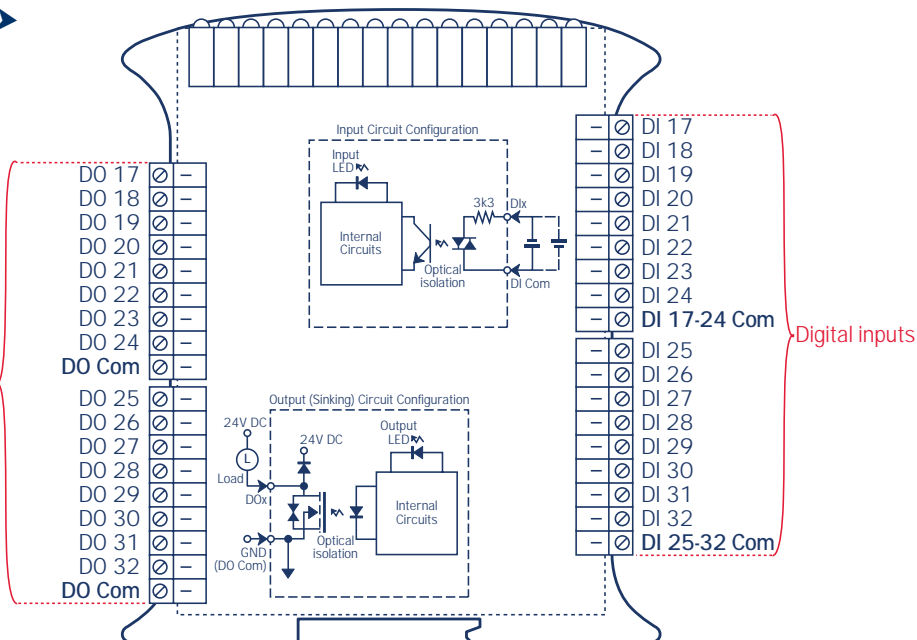
0.5A Digital Outputs
(open collector)



Terminal Connections ➤➤

Block 4 (TEX-I/O-4244 & 5860 only)

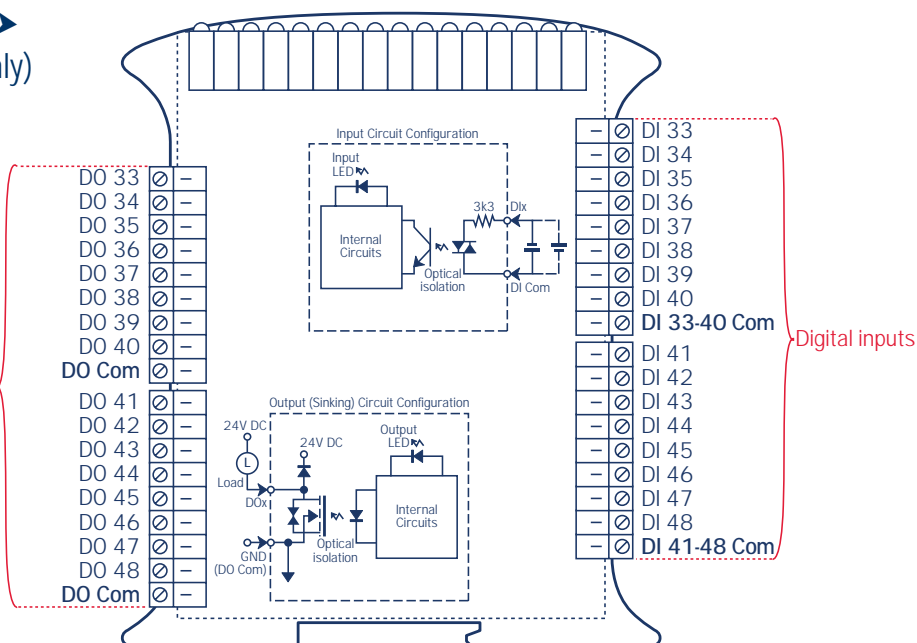
0.5A Digital Outputs
(open collector)



Terminal Connections ➤➤

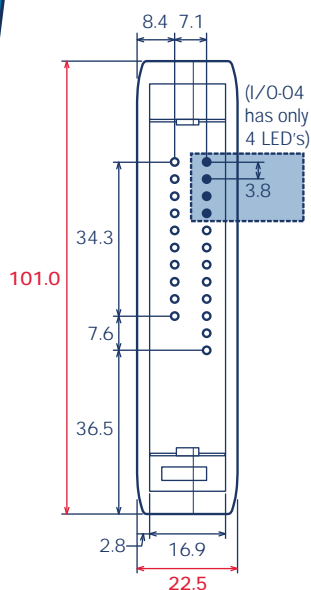
Block 5 (TEX-I/O-5860 only)

0.5A Digital Outputs
(open collector)

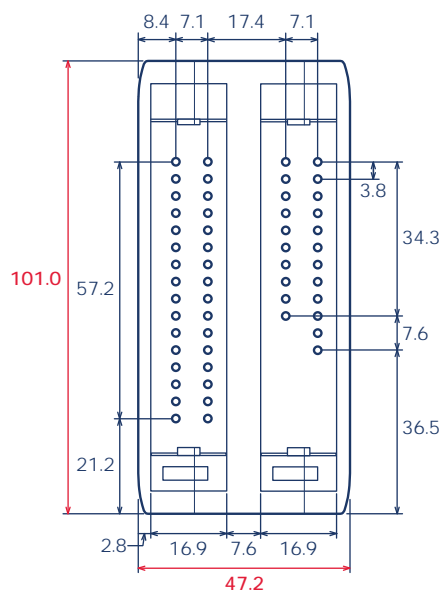


Case Dimensions:

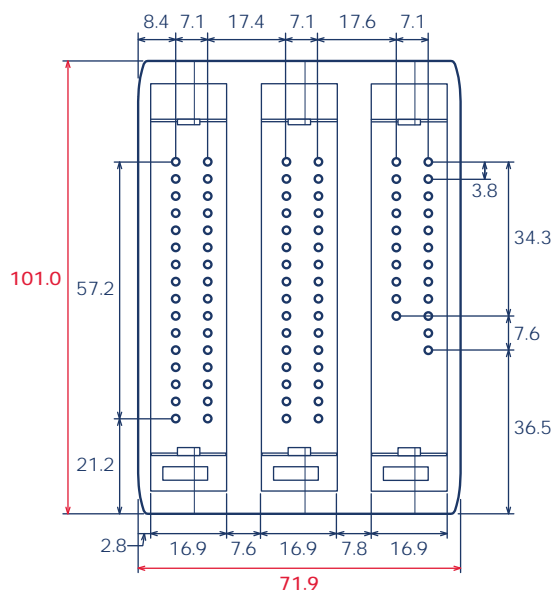
Front view
TEX-I/O-04 & 1012



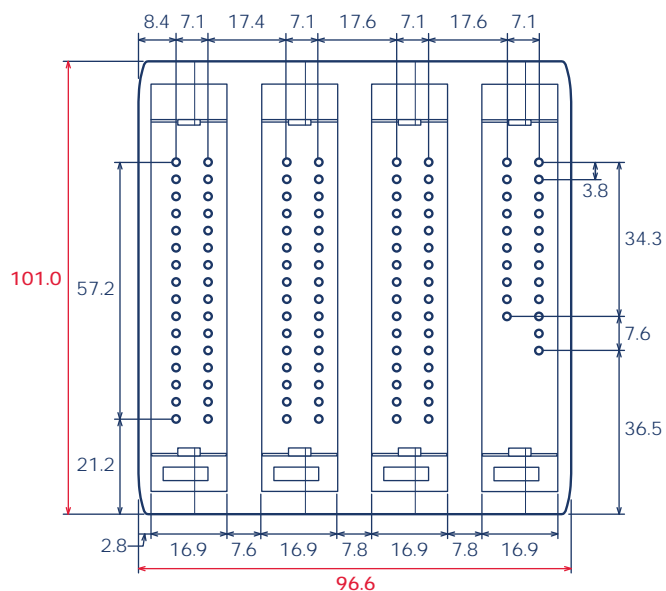
Front view
TEX-I/O-4244



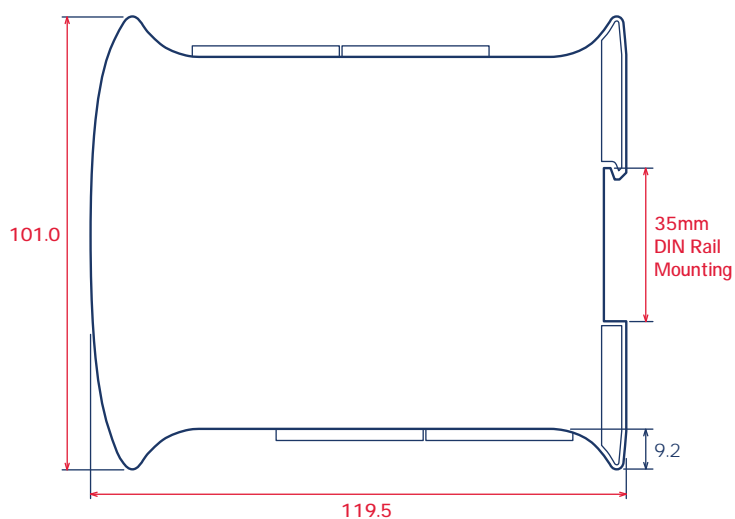
Front view
TEX-I/O-2628



Front view TEX-I/O-5860



Side view - all I/O modules



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