

Distributor/Retailer

**Established
power distribution**

About Trigentec:

Trigentec have since 2002 built up a unique expertise and product range and offer optimum system solutions to simplify the distribution of electricity.

Trigentec is located in Uddevalla on the Swedish west coast. For more information about the company, please visit www.trigentec.com.

Trigentec AB
Norra Drottninggatan 28
SE-451 31 Uddevalla
SWEDEN

Phone +46 522-44 38 00
Fax +46 522-44 38 99
Product web www.empirbus.com
Company web www.trigentec.com

EmpirBus™ NXT



EmpirBus™

EmpirBus NXT – the One in all unit

EmpirBus NXT is the new generation of distributed power supply systems, based on more than 10 years experience in power distribution using digital switching. In the NXT generation, we have added our long term experience, together with the market's wishes and not least our own innovative ideas. Some of the many new features:

- Automatic override control, creates greater security and safety
- Reversible polarity possible
- Further cable reduction, multiple functions simultaneously on one channel
- Control of complex wiper system, create a complete wiper installation
- Self adapting units, simple service
- Dimming functionality for all channels, full flexibility without limits
- Calendar functions, for automatic control at selected times
- Advanced lighting control, provides full LED brightness control
- Configurable input/output functions, provides a flexible installation with great potential
- Smooth on & off, creates a pleasant ambience
- Analog functions monitor and control analog signals
- Dedicated high current outputs, outputs up to 18A

Channel overview

The unit contains 16 multifunction channels, each configurable to:

Output

- Configurable fuse setting up to 18 Amp
- Hi & Low side possibilities for reversible function
- Under current detection, including LED lights
- Dimmable including soft start/stop function

Digital input

- Configurable thresholds for optimized user settings
- Plus or minus sensing
- LED indication in combination with switch

Multiplex input

- 1 to 4 functions on the same input

Analog input

- Voltage 0-32V
- Current 4-20mA
- Resistance

Tank monitoring

- Tank calibration with set points

Window Wiper function

- Low speed
- High Speed
- Interval
- Synchronizing in low/high speed or interval

Override

- Manual on/off

Calendar function

- Controlled by programmable time schedule

Channel indication

- Green, running indications
- Red, fuse alarm indication
- Red, channel fault indication

Technical overview

Communication

- CAN-bus NMEA 2000
- Galvanically isolated

Indication

- Power supply ok, green
- Power supply wrong polarity, red
- CAN-bus activity, green
- CAN-bus fail, red
- Base address, 3 digits

Power supply

- Maximum current 100 A
- Power consumption 0,25 mA
- Supply voltage 12/24VDC

Enclosure

- IP protection IP65

Ambient temperature

- -20 to +70 degrees Celsius

Casing dimensions

- 230 x 106 x 38 mm

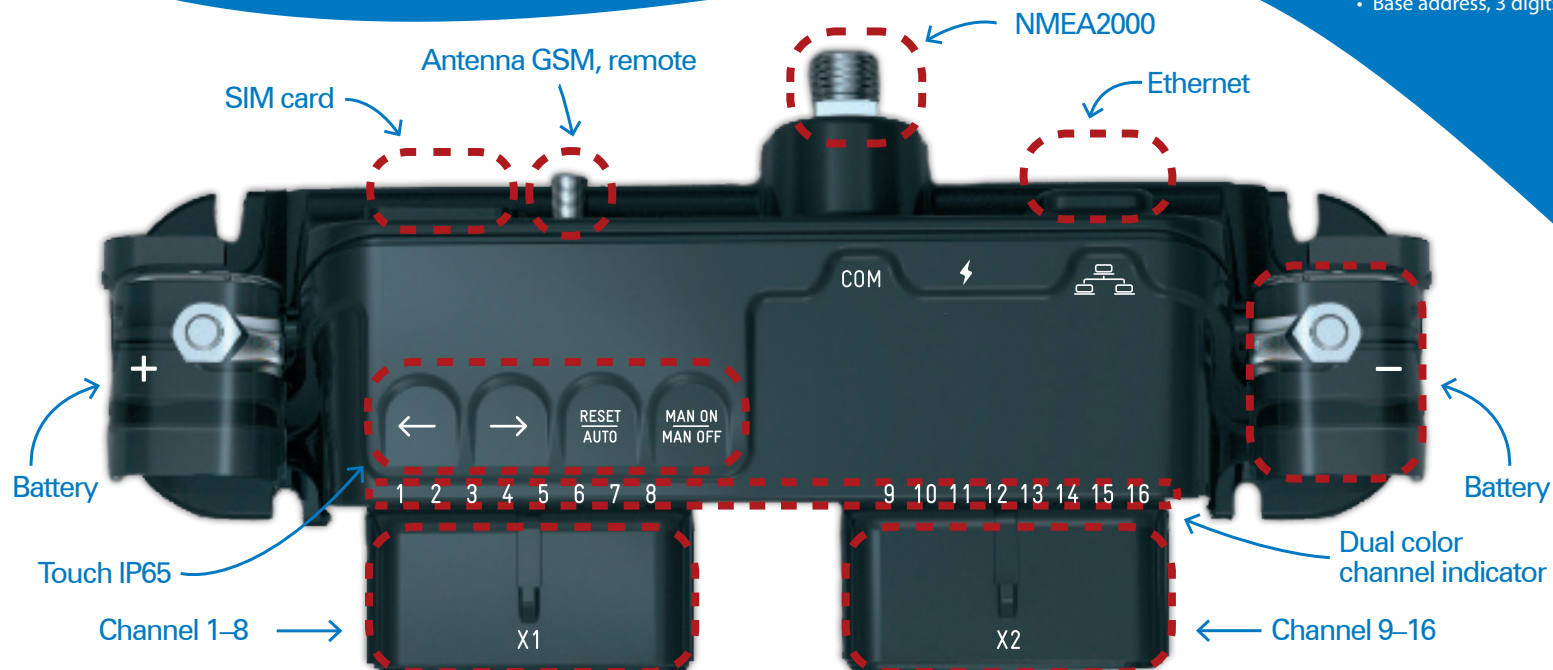
Regulation compliance

- ABYC
- RoHS

Self adapting

- Replacement parts automatically configured by system without any need of pc

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