

**DK****ADVAREL**

Følgende operationer bør kun udføres på modulet i spændingsløs tilstand og under ESD-sikre forhold. Installation, ledningsmontage og demontage.



The following operations should only be carried out on a disconnected device and under ESD safe conditions:

General mounting, connection and disconnection of wires. Troubleshooting of the device.

Repair of the device must be done by PR electronics A/S only.

**ADVAREL**

PR Loop Link programmeringenheneden må ikke benyttes til kommunikation med moduler installeret i Ex-område.



Do not use the Loop Link programming interface to program the units in Ex area. For installation in classified area the modules must be installed according to the appropriate installation drawings.

**SIKKERHEDSREGLER****SAFETY INSTRUCTIONS****Receipt and unpacking**

Unpack the device without damaging it. The packing should always follow the device until this has been permanently mounted. Check at the receipt of the device whether the type corresponds to the one ordered.

**Environment**

Avoid direct sunlight, dust, high temperatures, mechanical vibrations and shock, as well as rain and heavy moisture. If necessary, heating in excess of the stated limits for ambient temperatures should be avoided by way of ventilation.

**Mounting**

Only qualified technicians who are familiar with the technical terms, warnings, and instructions in this installation guide and who are able to follow these should connect the device.

Should there be any doubt as to the correct handling of the device, please contact your local distributor or, alternatively, PR electronics A/S.

Installation and tiling of the module shall comply with national legislation for mounting of electric materials, i.e. wire cross section, protective fuse, and location. Descriptions of input / output and supply connections are shown in the product manual found on www.prelectronics.com.

**Calibration and adjustment**

During calibration and adjustment, the measuring and connection of external voltages must be carried out according to the specifications of this installation guide. The technician must use tools and instruments that are safe to use.

**Cleaning**

When disconnected, the device may be cleaned with a cloth moistened with distilled water.

**PC-programming af SYSTEM 5300**

Modulet konfigureres til den aktuelle opgave ved hjælp af en PC og PR electronics A/S' kommunikationsinterface Loop Link. Det er muligt at konfigurere moduler både med og uden tilslutning forsyningsspænding, idet kommunikationsinterfacet leverer nødvendig forsyning til opsætningen. Kommunikationsinterfacet er galvanisk isoleret, så PC'en port er optimalt beskyttet. Kommunikationen er 2-vejs, så modulets opsætning kan hentes ind i PC'en, og opsætningen i PC'en kan sendes til modulet. For de brugere, der ikke selv vil foretage opsætning, kan modulet leveres konfigureret efter oplyst specifikation: indgangstype, måleområde, fejlforsigtighed og udgangssignal.

**Elektriske specifikationer**

Specifikationsområde..... -40°C til +85°C

Forsyningsspænding,

5335A & 5337A..... 8,0...35 VDC

Forsyningsspænding,

5335D & 5337D..... 8,0...30 VDC

Isolationsspænd, test/oper..... 1,5 kVAC / 50 VAC

Kalibreringstemperatur..... 20...28°C

Relativ fugtighed..... < 95% RH ( ikke kond.)

Mål..... Ø44 x 20,2 mm

Kapslingsklasse..... (hus/klemme)..... IP68 / IP00

Indgangstyper:

Pt100..... -200°C...+850°C

Ni100..... -60°C...+250°C

TC-indgang..... B, E, J, K, L, N, R, S, T,

U, W3, W5, Lr

Lin. R..... 0...7000 Ω

Spænding..... 800...+800 mV

Strømgang:

Signalområde..... 4...20 mA

Min. signalområde..... 16 mA

Belastringsmodstand, Ω..... ≤ (Vforsyn.-8,0 V)/0,023

**Godkendelser:**

DNV, Ships & Offshore..... Stand. f. Certific. No. 2.4

EAC..... TR-CU 020/2011

EAC Ex..... TR-CU 012/2011

Overholdte myndighedskrav:

EMC..... 2014/30/EU

ATEX..... 2014/34/EU

RoHS..... 2011/65/EU

Electrical specifications

Specifications range..... -40°C to +85°C

Supply voltage,

5335A & 5337A..... 8,0...35 VDC

Supply voltage,

5335D & 5337D..... 8,0...30 VDC

Isolation voltage, test/oper..... 1,5 kVAC / 50 VAC

Calibration temperature..... 20...28°C

Relative humidity..... < 95% RH (non-cond.)

Dimensions..... Ø44 x 20 mm

Protection degree (encl./terminal)..... IP68 / IP00

**Input types:**

Pt100..... -200°C...+850°C

Ni100..... -60°C...+250°C

TC input..... B, E, J, K, L, N, R, S, T,

U, W3, W5, Lr

Lin. R..... 0...7000 Ω

Voltage..... -800...+800 mV

Current output:

Signal range..... 4...20 mA

Min. signal range..... 16 mA

Load resistance, Ω..... ≤ (Vsupply-8,0 V)/0,023

Approvals:

DNV, Ships & Offshore..... Stand. f. Certific. No. 2.4

EAC..... TR-CU 020/2011

EAC Ex..... TR-CU 012/2011

Observed authority requirements:

EMC..... 2014/30/EU

ATEX..... 2014/34/EU

RoHS..... 2011/65/EU

Compatibility avec les normes:

CEM..... 2014/30/EU

ATEX..... 2014/34/EU

RoHS..... 2011/65/EU

Zulassungen:

DNV, Ships & Offshore..... Stand. f. Certific. No. 2.4

EAC..... TR-CU 020/2011

EAC Ex..... TR-CU 012/2011

Eingangs-Typen:

Pt100..... -200°C...+850°C

-60°C...+250°C

TE-Eingang..... B, E, J, K, L, N, R, S, T,

U, W3, W5, Lr

Lin. R..... 0...7000 Ω

Spannung..... -800...+800 mV

Stromausgang:

Signalbereich..... 4...20 mA

Min. Signalbereich..... 16 mA

Belastrungs widerstand, Ω..... ≤ (Vforsyn.-8,0 V)/0,023

Approbations:

DNV, Ships & Offshore..... Stand. f. Certific. No. 2.4

EAC..... TR-CU 020/2011

EAC Ex..... TR-CU 012/2011

Compatibilité avec les normes:

CEM..... 2014/30/EU

ATEX..... 2014/34/EU

RoHS..... 2011/65/EU

Zulassungen:

DNV, Ships & Offshore..... Stand. f. Certific. No. 2.4

EAC..... TR-CU 020/2011

EAC Ex..... TR-CU 012/2011

Eingehaltene Behördenvorschriften:

EMV..... 2014/30/EU

ATEX..... 2014/34/EU

RoHS..... 2011/65/EU

Dokumentation, godkendelser og yderligere information findes på internettet på [www.prelectronics.com](http://www.prelectronics.com)

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