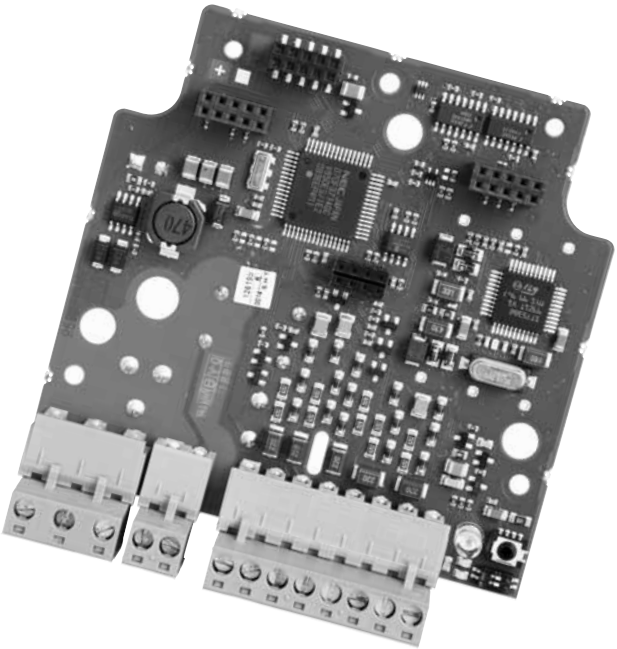
Multi-purpose IO module for SQFlex

Safety instructions and other important information



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Declaration of conformity

GB: EC declaration of conformity

We, Grundfos, declare under our sole responsibility that the product, IO module, to which this declaration relates, is in conformity with these Council directives on the approximation of the laws of the EC member states:

– Low Voltage Directive (2006/95/EC).
  Standard used: EN 61010-1: 2001.
– EMC Directive (2004/108/EC).
  Standard used: EN 61326-1: 2006.

BG: ЕС декларация за съответствие

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продукта, IO модул, за който се отнася настоящата декларация, отговаря на следните указания на Съвета за уеднаквяване на правните разпоредби на държавите членки на ЕС:

– Директива за нисковолтови системи (2006/95/EC).
  Приложен стандарт: EN 61010-1: 2001.
– Директива за електромагнитна съвместимост (2004/108/EC).
  Приложен стандарт: EN 61326-1: 2006.

CZ: ES prohlášení o shodě

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek, Modul IO, na nějž se toto prohlášení vztahuje, je v souladu s ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropského společenství v oblastech:

– Směrnice pro nízkonapěťové aplikace (2006/95/ES).
  Použitá norma: EN 61010-1: 2001.
– Směrnice pro elektromagnetickou kompatibilitu (EMC) (2004/108/ES).
  Použitá norma: EN 61326-1: 2006.

DK: EF-overensstemmelseserklæring

Vi, Grundfos, erklærer under ansvar at produktet, IO-modul, som denne erklæring omhandler, er i overensstemmelse med disse af Rådets direktiver om indbyrdes tilnærmelse til EF-medlemsstaternes lovgivning:

– Lavspændingsdirektivet (2006/95/EF).
  Anvendt standard: EN 61010-1: 2001.
– EMC-direktivet (2004/108/EF).
  Anvendt standard: EN 61326-1: 2006.

DE: EG-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass das Produkt, E/A-Modul, auf das sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EU-Mitgliedsstaaten übereinstimmt:

– Niederspannungsrichtlinie (2006/95/EG).
  Norm, die verwendet wurde: EN 61010-1: 2001.
– EMV-Richtlinie (2004/108/EG).
  Norm, die verwendet wurde: EN 61326-1: 2006.

GR: Δήλωση συμμόρφωσης ΕC

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι τα προϊόντα, Μονάδα IO, στα οποία αναφέρεται η παρούσα δήλωση, συμμορφώνονται με τις εξής Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ:

– Οδηγία χαμηλής τάσης (2006/95/EC).
  Πρότυπο που χρησιμοποιήθηκε: EN 61010-1: 2001.
– Οδηγία Ηλεκτρομαγνητικής Συμβατότητας (EMC) (2004/108/EC).
  Πρότυπο που χρησιμοποιήθηκε: EN 61326-1: 2006.

ES: Declaración CE de conformidad

Nosotros, Grundfos, declaramos bajo nuestra propia responsabilidad que el producto, Módulo IO, al cual se refiere esta declaración, está conforme con las Directivas del Consejo en la aproximación de las leyes de los Estados Miembros del EM:

– Directiva de Baja Tensión (2006/95/CE).
  Norma aplicada: EN 61010-1: 2001.
– Directiva EMC (2004/108/CE).
  Norma aplicada: EN 61326-1: 2006.

FR: Déclaration de conformité CE

Nous, Grundfos, déclarons sous notre seule responsabilité, que le produit, Module IO, auquel se réfère cette déclaration, est conforme aux Directives du Conseil concernant le rapprochement des législations des Etats membres CE relatives aux normes énoncées ci-dessous :

– Directive Basse Tension (2006/95/CE).
  Norme utilisée : EN 61010-1 : 2001.
– Directive Compatibilité Electromagnétique CEM (2004/108/CE).
  Norme utilisée : EN 61326-1 : 2006.

HR: EZ izjava o usklađenosti

Mi, Grundfos, izjavljujemo pod vlastitom odgovornošću da je proizvod, IO modul, na koji se ova izjava odnosi, u skladu s direktivama ovog Vijeća o usklađivanju zakona država članica EU:

– Direktiva za niski napon (2006/95/EZ).
  Korištena norma: EN 61010-1: 2001.
– Direktiva za elektromagnetsku kompatibilnost (2004/108/EZ).
  Korištena norma: EN 61326-1: 2006.

IT: Dichiarazione di conformità CE

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto, Modulo I/O, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri CE:

– Direttiva Bassa Tensione (2006/95/CE).
  Norma applicata: EN 61010-1: 2001.
– Direttiva EMC (2004/108/CE).
  Norma applicata: EN 61326-1: 2006.

PL: Deklaracja zgodności WE

My, Grundfos, oświadczamy z pełną odpowiedzialnością, że nasze wyroby, Modul IO, których deklaracja niniejsza dotyczy, są zgodne z następującymi wytycznymi Rady d/s ujednolicenia przepisów prawnych krajów członkowskich WE:

– Dyrektywa Niskonapięciowa (LVD) (2006/95/WE).
  Zastosowana norma: EN 61010-1: 2001.
– Dyrektywa EMC (2004/108/WE).
  Zastosowana norma: EN 61326-1: 2006.

PT: Declaração de conformidade CE

A Grundfos declara sob sua única responsabilidade que o produto, Módulo IO, ao qual diz respeito esta declaração, está em conformidade com as seguintes Directivas do Conselho sobre a aproximação das legislações dos Estados Membros da CE:

– Directiva Baixa Tensão (2006/95/CE).
  Norma utilizada: EN 61010-1: 2001.
– Directiva EMC (compatibilidade electromagnética) (2004/108/CE).
  Norma utilizada: EN 61326-1: 2006.

RU: Декларация о соответствии ЕС

Мы, компания Grundfos, со всей ответственностью заявляем, что изделия, Модуль IO, к которым относится настоящая декларация, соответствуют следующим Директивам Совета Евросоюза об унификации законодательных предписаний стран-членов ЕС:

– Низковольтное оборудование (2006/95/EC).
  Применявшийся стандарт: EN 61010-1: 2001.
– Электромагнитная совместимость (2004/108/EC).
  Применявшийся стандарт: EN 61326-1: 2006.

RO: Declaraţie de conformitate CE

Noi, Grundfos, declarăm pe propria răspundere că produsele, Modul IO, la care se referă această declarabie, sunt în conformitate cu aceste Directive de Consiliu asupra armonizării legilor Statelor Membre CE:

– Directiva Tensiune Joasă (2006/95/CE).
  Standard utilizat: EN 61010-1: 2001.
– Directiva EMC (2004/108/CE).
  Standard utilizat: EN 61326-1: 2006.

SK: Prehlásenie o konformite EÚ

My firma Grundfos prehlasujeme na svoju plnú zodpovednosť, že výrobok, Modul IO, na ktorý sa toto prehlásenie vzťahuje, je v súlade s ustanovením smernice Rady pre zblíženie právnych predpisov členských štátov Európskeho spoločenstva v oblastiach:

– Smernica pre nízkonapäťové aplikácie (2006/95/EC).
  Použitá norma: EN 61010-1: 2001.
– Smernica pre elektromagnetickú kompatibilitu (2004/108/EC).
  Použitá norma: EN 61326-1: 2006.

SI: ES izjava o skladnosti

V Grundfosu s polno odgovornostjo izjavljamo, da so naši izdelki, IO modul, na katere se ta izjava nanaša, v skladu z naslednjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic ES:

– Direktiva o nizki napetosti (2006/95/ES).
  Uporabljena norma: EN 61010-1: 2001.
– Direktiva o elektromagnetni združljivosti (EMC) (2004/108/ES).
  Uporabljena norma: EN 61326-1: 2006.

RS: EC deklaracija o konformitetu

Mi, Grundfos, izjavljujemo pod vlastitom odgovornošću da je proizvod, IO modul, na koji se ova izjava odnosi, u skladu sa direktivama Saveta za usklađivanje zakona država članica EU:

– Direktiva niskog napona (2006/95/EC).
  Korišćen standard: EN 61010-1: 2001.
– EMC direktiva (2004/108/EC).
  Korišćen standard: EN 61326-1: 2006.

SE: EG-försäkran om överensstämmelse

Vi, Grundfos, försäkrar under ansvar att produkten, IO-modul, som omfattas av denna försäkran, är i överensstämmelse med rådets direktiv om inbördes närmande till EU-medlemsstaternas lagstiftning, avseende:

– Lågspänningsdirektivet (2006/95/EG).
  Tillämpad standard: EN 61010-1: 2001.
– EMC-direktivet (2004/108/EG).
  Tillämpad standard: EN 61326-1: 2006.

TR: EC uygunluk bildirgesi

Grundfos olarak bu beyannameye konu olan IO modülü ürünlerinin, AB Üyesi Ülkelerin kanunlarını birbirine yaklaştırma üzerine Konsey Direktifleriyle uyumlu olduğunun yalnızca bizim sorumluluğumuz altında olduğunu beyan ederiz:

– Düşük Voltaj Yönetmeliği (2006/95/EC).
  Kullanılan standart: EN 61010-1: 2001.
– EMC Diretifi (2004/108/EC).
  Kullanılan standart: EN 61326-1: 2006.

Bjerringbro, 16th July 2010

Svend Aage Kaae
Technical Director
Grundfos Holding A/S
Poul Due Jensens Vej 7
8850 Bjerringbro, Denmark

Person authorised to compile technical file and empowered to sign the EC declaration of conformity.

Original safety instructions and other important information.

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Warning

Prior to installation, read this document and the quick guide. Installation and operation must comply with local regulations and accepted codes of good practice.

1. Symbols used in this document

Warning

If these safety instructions are not observed, it may result in personal injury.

Warning

If these instructions are not observed, it may lead to electric shock with consequent risk of serious personal injury or death.

Caution ***If these safety instructions are not observed, it may result in malfunction or damage to the equipment.***

Note ***Notes or instructions that make the job easier and ensure safe operation.***

2. Introduction

The CIU unit is used as an interface for the following:

- system monitoring on the basis of sensor signals
- system control on the basis of sensor signals
- monitoring of operation and alarm indication.

3. Applications

Note ***If the IO module is used in a manner not specified by Grundfos, the protection provided by the IO module may be impaired.***

4. Installation

Warning

Before installation, switch off the power supply. Make sure that the power supply cannot be accidentally switched on.

Caution ***The GENIbus connection is not used in this application.***

4.1 Electrical connection

Carry out the electrical connection according to local regulations.

Check that the supply voltage and frequency correspond to the values stated on the nameplate.

During electrical installation, make sure that the power supply cannot be accidentally switched on.

Connect the IO module according to the rules and standards in force for the application in question.

4.2 EMC-correct installation

In order to ensure correct and stable function, it is very important to follow the guidelines below.

Caution ***Do not connect the IO module to the electric power grid.***

Grundfos recommendations

Use only screened signal cables for all inputs and outputs.

Note ***Any isolating plastic tape between screen and sheath must be removed before mounting the cable in the earth clamp.***

Note ***Do not twist screen ends, as this will destroy the screen effect at high frequencies.***

Note ***Maximum contact load: 240 VAC, 2 A.***

5. Technical data

Supply voltage	24 VDC ± 10 % and 5 VDC ± 5 %
Power consumption	Maximum 3.5 W
Cables	Cross-section: 0.5 to 2.5 mm^2 or AWG 20-13
	Length: The above values apply to cable lengths not exceeding 30 metres.

5.1 Relay output

Normally open contact	C, NO
Normally closed contact	C, NC
Maximum contact load	240 VAC, 2 A
Minimum contact load	5 VDC, 10 mA

5.2 Digital inputs

Open-circuit voltage	5 VDC
Closed-circuit current	10 mA
Frequency range	0 to 16 Hz
Logic "0" Logic "1"	< 1.5 V > 4.0 V

Caution ***Only potential-free devices must be connected to the digital inputs.***

6. Maintenance

The IO module is maintenance-free during normal use and operation. The IO module must only be cleaned with a dry dust-free cloth.

7. Service

The IO module cannot be serviced. If the IO module is faulty, the CIU unit must be replaced.

8. Disposal

This product or parts of it must be disposed of in an environmentally sound way:

1. Use the public or private waste collection service.
2. If this is not possible, contact the nearest Grundfos company or service workshop.

Subject to alterations.

Argentina
Bombas GRUNDFOS de Argentina S.A.
Ruta Panamericana km. 37.500 Lote 34A
1619 - Garin
Pcia. de Buenos Aires
Phone: +54-3327 414 444
Telefax: +54-3327 411 111

Australia
GRUNDFOS Pumps Pty. Ltd.
P.O. Box 2040
Regency Park
South Australia 5942
Phone: +61-8-8461-4611
Telefax: +61-8-8340 0155

Austria
GRUNDFOS Pumpen Vertrieb Ges.m.b.H.
Grundfosstraße 2
A-5082 Grödig/Salzburg
Tel.: +43-6246-883-0
Telefax: +43-6246-883-30

Belgium
N.V. GRUNDFOS Bellux S.A.
Boomsesteenweg 81-83
B-2630 Aartselaar
Tél.: +32-3-870 7300
Télécopie: +32-3-870 7301

Belorussia
Представительство ГРУНДФОС в Минске
220123, Минск,
ул. В. Хоружей, 22, оф. 1105
Тел.: +(37517) 233 97 65,
Факс: +(37517) 233 97 69
E-mail: grundfos_minsk@mail.ru

Bosnia/Herzegovina
GRUNDFOS Sarajevo
Trg Heroja 16,
BiH-71000 Sarajevo
Phone: +387 33 713 290
Telefax: +387 33 659 079
e-mail: grundfos@bih.net.ba

Brazil
BOMBAS GRUNDFOS DO BRASIL
Av. Humberto de Alencar Castelo Branco, 630
CEP 09850 - 300
São Bernardo do Campo - SP
Phone: +55-11 4393 5533
Telefax: +55-11 4343 5015

Bulgaria
Grundfos Bulgaria EOOD
Slatina District
Iztochna Tangenta street no. 100
BG - 1592 Sofia
Tel. +359 2 49 22 200
Fax. +359 2 49 22 201
email: bulgaria@grundfos.bg

Canada
GRUNDFOS Canada Inc.
2941 Brighton Road
Oakville, Ontario
L6H 6C9
Phone: +1-905 829 9533
Telefax: +1-905 829 9512

China
GRUNDFOS Pumps (Shanghai) Co. Ltd.
50/F Maxdo Center No. 8 XingYi Rd.
Hongqiao development Zone
Shanghai 200336
PRC
Phone: +86 21 612 252 22
Telefax: +86 21 612 253 33

Croatia
GRUNDFOS CROATIA d.o.o.
Cebini 37, Buzin
HR-10010 Zagreb
Phone: +385 1 6595 400
Telefax: +385 1 6595 499
www.grundfos.hr

Czech Republic
GRUNDFOS s.r.o.
Čajkovského 21
779 00 Olomouc
Phone: +420-585-716 111
Telefax: +420-585-716 299

Denmark
GRUNDFOS DK A/S
Martin Bachs Vej 3
DK-8850 Bjerringbro
Tlf.: +45-87 50 50 50
Telefax: +45-87 50 51 51
E-mail: info_GDK@grundfos.com
www.grundfos.com/DK

Estonia
GRUNDFOS Pumps Eesti OÜ
Peterburi tee 92G
11415 Tallinn
Tel: + 372 606 1690
Fax: + 372 606 1691

Finland
OY GRUNDFOS Pumput AB
Mestarintie 11
FIN-01730 Vantaa
Phone: +358-3066 5650
Telefax: +358-3066 56550

France
Pompes GRUNDFOS Distribution S.A.
Parc d'Activités de Chesnes
57, rue de Malacombe
F-38290 St. Quentin Fallavier (Lyon)
Tél.: +33-4 74 82 15 15
Télécopie: +33-4 74 94 10 51

Germany
GRUNDFOS GMBH
Schlüterstr. 33
40699 Erkrath
Tel.: +49-(0) 211 929 69-0
Telefax: +49-(0) 211 929 69-3799
e-mail: infoservice@grundfos.de
Service in Deutschland:
e-mail: kundendienst@grundfos.de

Greece
GRUNDFOS Hellas A.E.B.E.
20th km. Athinon-Markopoulou Av.
P.O. Box 71
GR-19002 Peania
Phone: +0030-210-66 83 400
Telefax: +0030-210-66 46 273

Hong Kong
GRUNDFOS Pumps (Hong Kong) Ltd.
Unit 1, Ground floor
Siu Wai Industrial Centre
29-33 Wing Hong Street &
68 King Lam Street, Cheung Sha Wan
Kowloon
Phone: +852-27861706 / 27861741
Telefax: +852-27858664

Hungary
GRUNDFOS Hungária Kft.
Park u. 8
H-2045 Törökbálint,
Phone: +36-23 511 110
Telefax: +36-23 511 111

India
GRUNDFOS Pumps India Private Limited
118 Old Mahabalipuram Road
Thoraipakkam
Chennai 600 096
Phone: +91-44 2496 6800

Indonesia
PT GRUNDFOS Pompa
Jl. Rawa Sumur III, Blok III / CC-1
Kawasan Industri, Pulogadung
Jakarta 13930
Phone: +62-21-460 6909
Telefax: +62-21-460 6910 / 460 6901

Ireland
GRUNDFOS (Ireland) Ltd.
Unit A, Merrywell Business Park
Ballymount Road Lower
Dublin 12
Phone: +353-1-4089 800
Telefax: +353-1-4089 830

Italy
GRUNDFOS Pompe Italia S.r.l.
Via Gran Sasso 4
I-20060 Truccazzano (Milano)
Tel.: +39-02-95838112
Telefax: +39-02-95309290 / 95838461

Japan
GRUNDFOS Pumps K.K.
Gotanda Metalion Bldg., 5F,
5-21-15, Higashi-gotanda
Shiagawa-ku, Tokyo
141-0022 Japan
Phone: +81 35 448 1391
Telefax: +81 35 448 9619

Korea
GRUNDFOS Pumps Korea Ltd.
6th Floor, Aju Building 679-5
Yeoksam-dong, Kangnam-ku, 135-916
Seoul, Korea
Phone: +82-2-5317 600
Telefax: +82-2-5633 725

Latvia
SIA GRUNDFOS Pumps Latvia
Deglava biznesa centrs
Augusta Deglava ielā 60, LV-1035, Rīga,
Tālr.: + 371 714 9640, 7 149 641
Fakss: + 371 914 9646

Lithuania
GRUNDFOS Pumps UAB
Smolensko g. 6
LT-03201 Vilnius
Tel: + 370 52 395 430
Fax: + 370 52 395 431

Malaysia
GRUNDFOS Pumps Sdn. Bhd.
7 Jalan Peguam U1/25
Glenmarie Industrial Park
40150 Shah Alam
Selangor
Phone: +60-3-5569 2922
Telefax: +60-3-5569 2866

México
Bombas GRUNDFOS de México S.A. de C.V.
Boulevard TLC No. 15
Parque Industrial Stiva Aeropuerto
Apodaca, N.L. 66600
Phone: +52-81-8144 4000
Telefax: +52-81-8144 4010

Netherlands
GRUNDFOS Netherlands
Veluwezoom 35
1326 AE Almere
Postbus 22015
1302 CA ALMERE
Tel.: +31-88-478 6336
Telefax: +31-88-478 6332
E-mail: info_gnl@grundfos.com

New Zealand
GRUNDFOS Pumps NZ Ltd.
17 Beatrice Tinsley Crescent
North Harbour Industrial Estate
Albany, Auckland
Phone: +64-9-415 3240
Telefax: +64-9-415 3250

Norway
GRUNDFOS Pumper A/S
Strømsveien 344
Postboks 235, Leirdal
N-1011 Oslo
Tlf.: +47-22 90 47 00
Telefax: +47-22 32 21 50

Poland
GRUNDFOS Pompy Sp. z o.o.
ul. Klonowa 23
Baranowo k. Poznania
PL-62-081 Przeźmierowo
Tel: (+48-61) 650 13 00
Fax: (+48-61) 650 13 50

Portugal
Bombas GRUNDFOS Portugal, S.A.
Rua Calvet de Magalhães, 241
Apartado 1079
P-2770-153 Paço de Arcos
Tel.: +351-21-440 76 00
Telefax: +351-21-440 76 90

România
GRUNDFOS Pompe România SRL
Bd. Biruintei, nr 103
Pantelimon county Ilfov
Phone: +40 21 200 4100
Telefax: +40 21 200 4101
E-mail: romania@grundfos.ro

Russia
ООО Грундфос
Россия, 109544 Москва, ул. Школьная 39
Тел. (+7) 495 737 30 00, 564 88 00
Факс (+7) 495 737 75 36, 564 88 11
E-mail grundfos.moscow@grundfos.com

Serbia
GRUNDFOS Predstavništvo Beograd
Dr. Milutina Ivkoviča 2a/29
YU-11000 Beograd
Phone: +381 11 26 47 877 / 11 26 47 496
Telefax: +381 11 26 48 340

Singapore
GRUNDFOS (Singapore) Pte. Ltd.
24 Tuas West Road
Jurong Town
Singapore 638381
Phone: +65-6865 1222
Telefax: +65-6861 8402

Slovenia
GRUNDFOS d.o.o.
Šlandrova 8b, SI-1231 Ljubljana-Črnuče
Phone: +386 1 568 0610
Telefax: +386 1 568 0619
E-mail: slovenia@grundfos.si

South Africa
GRUNDFOS (PTY) LTD
Corner Mountjoy and George Allen Roads
Wilbart Ext. 2
Bedfordview 2008
Phone: (+27) 11 579 4800
Fax: (+27) 11 455 6066
E-mail: lsmart@grundfos.com

Spain
Bombas GRUNDFOS España S.A.
Camino de la Fuentecilla, s/n
E-28110 Algete (Madrid)
Tel.: +34-91-848 8800
Telefax: +34-91-628 0465

Sweden
GRUNDFOS AB
Box 333 (Lunnagårdsgatan 6)
431 24 Mölndal
Tel.: +46 31 332 23 000
Telefax: +46 31 331 94 60

Switzerland
GRUNDFOS Pumpen AG
Bruggacherstrasse 10
CH-8117 Fällanden/ZH
Tel.: +41-1-806 8111
Telefax: +41-1-806 8115

Taiwan
GRUNDFOS Pumps (Taiwan) Ltd.
7 Floor, 219 Min-Chuan Road
Taichung, Taiwan, R.O.C.
Phone: +886-4-2305 0868
Telefax: +886-4-2305 0878

Thailand
GRUNDFOS (Thailand) Ltd.
92 Chaloem Phrakiat Rama 9 Road,
Dokmai, Pravej, Bangkok 10250
Phone: +66-2-725 8999
Telefax: +66-2-725 8998

Turkey
GRUNDFOS POMPA San. ve Tic. Ltd. Sti.
Gebze Organize Sanayi Bölgesi
Ihsan dede Caddesi,
2. yol 200. Sokak No. 204
41490 Gebze/ Kocaeli
Phone: +90 - 262-679 7979
Telefax: +90 - 262-679 7905
E-mail: satis@grundfos.com

Ukraine
ТОВ ГРУНДФОС УКРАЇНА
01010 Київ, Вул. Московська 8б,
Тел.:(+38 044) 390 40 50
Фах.: (+38 044) 390 40 59
E-mail: ukraine@grundfos.com

United Arab Emirates
GRUNDFOS Gulf Distribution
P.O. Box 16768
Jebel Ali Free Zone
Dubai
Phone: +971 4 8815 166
Telefax: +971 4 8815 136

United Kingdom
GRUNDFOS Pumps Ltd.
Grovebury Road
Leighton Buzzard/Beds. LU7 8TL
Phone: +44-1525-850000
Telefax: +44-1525-850011

U.S.A.
GRUNDFOS Pumps Corporation
17100 West 118th Terrace
Olathe, Kansas 66061
Phone: +1-913-227-3400
Telefax: +1-913-227-3500

Usbekistan
Представительство ГРУНДФОС в Ташкенте
700000 Ташкент ул.Усмана Носира 1-й тупик 5
Телефон: (3712) 55-68-15
Факс: (3712) 53-36-35

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