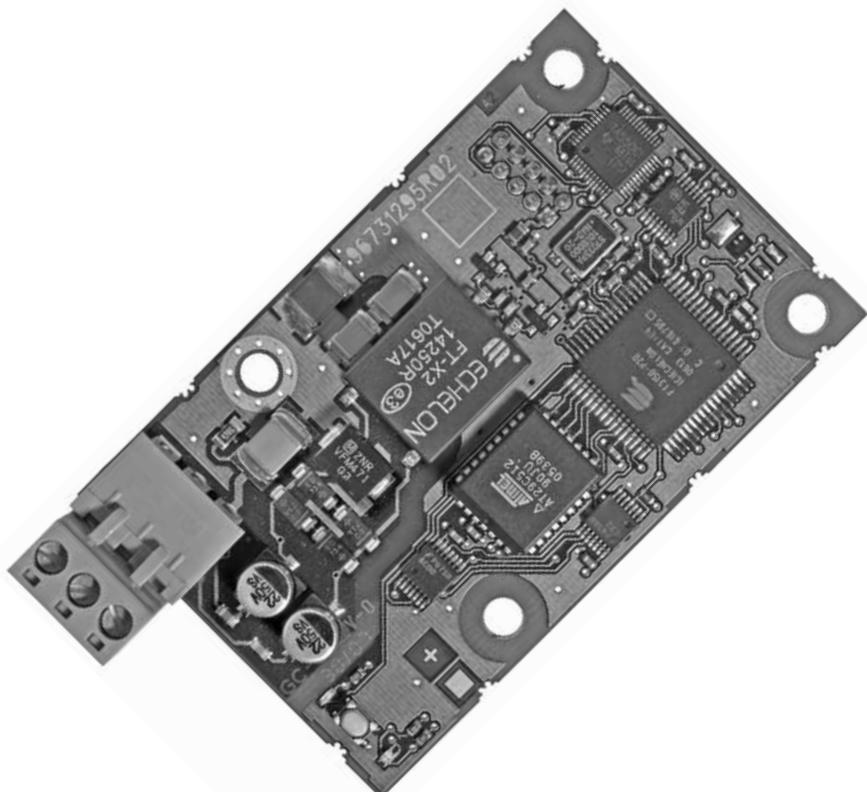


CIM 1XX LON module

Installation and operating instructions



CIM 1XX LON module

Declaration of Conformity	4
English (GB)	
Installation and operating instructions	7
Български (BG)	
Упътване за монтаж и експлоатация	11
Čeština (CZ)	
Montážní a provozní návod	16
Dansk (DK)	
Monterings- og driftsinstruktion	20
Deutsch (DE)	
Montage- und Betriebsanleitung	24
Eesti (EE)	
Paigaldus- ja kasutusjuhend	28
Ελληνικά (GR)	
Οδηγίες εγκατάστασης και λειτουργίας	32
Español (ES)	
Instrucciones de instalación y funcionamiento	36
Français (FR)	
Notice d'installation et de fonctionnement	40
Hrvatski (HR)	
Montažne i pogonske upute	44
Italiano (IT)	
Istruzioni di installazione e funzionamento	48
Latviešu (LV)	
Uzstādīšanas un ekspluatācijas instrukcija	52
Lietuviškai (LT)	
Įrengimo ir naudojimo instrukcija	56
Magyar (HU)	
Szerelési és üzemeltetési utasítás	60
Nederlands (NL)	
Installatie- en bedieningsinstructies	64
З повагою (UA)	
Інструкції з монтажу та експлуатації	68
Polski (PL)	
Instrukcja montażu i eksploatacji	73

Português (PT)	
Instruções de instalação e funcionamento	78
Русский (RU)	
Руководство по монтажу и эксплуатации.....	82
Română (RO)	
Instrucțiuni de instalare și utilizare.....	88
Slovenčina (SK)	
Návod na montáž a prevádzku	92
Slovensko (SI)	
Navodila za montažo in obratovanje	96
Srpski (RS)	
Uputstvo za instalaciju i rad.....	100
Suomi (FI)	
Asennus- ja käyttöohjeet	104
Svenska (SE)	
Monterings- och driftsinstruktion	108
Türkçe (TR)	
Montaj ve kullanım kılavuzu.....	112
中文 (CN)	
安装和使用说明书	118
日本語 (JP)	
取扱説明書	122
(KO)	
.....	126

Declaration of Conformity

GB Declaration of Conformity

We **Grundfos** declare under our sole responsibility that the product **CIM 1XX LON 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.

CZ Prohlášení o shodě

My firma **Grundfos** prohlášujeme na svou plnou odpovědnost, že výrobek **Modul CIM 1XX LON**, na nějž se toto prohlášení vztahuje, je v souladu s ustanoveními směrnice Rady pro sbílení právních předpisů členských států Evropského spojenství v oblastech:

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

D Konformitätserklärung

Wir, **Grundfos**, erklären in alleiniger Verantwortung, dass das Produkt **CIM 1XX LON 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

Εμεις, η **Grundfos**, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι τα προϊόντα **Μονάδα CIM 1XX LON**, στα οποία αναφέρεται η παρόύσα δηλώση, συμμορφώνονται με τις εξής Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ:

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

F Déclaration de Conformité

Nous, **Grundfos**, déclarons sous notre seule responsabilité, que le produit **Module CIM 1XX LON**, 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 (2004/108/CE).
Norme utilisée : EN 61326-1: 2006.

I Dichiaraione di Conformità

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto **Modulo LON CIM 1XX**, 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.

L Atitikties deklaracija

Mes, **Grundfos**, su visa atsakomybe pareiškiame, kad gaminis **CIM 1XX "LON" modulis**, kuriam skirta ši deklaracija, atitinka šias Tarybos Direktyvas dėl Europos Ekonomikos Bendrijos šalių narių įstatymų suderinimo:

- Žemų įtampų direktyva (2006/95/EC).
Taikomasis standartas: EN 61010-1: 2001.
- EMS direktyva (2004/108/EC).
Taikomasis standartas: EN 61326-1: 2006.

BG Декларация за съответствие

Ние, фирма **Grundfos**, заявяваме с пълна отговорност, че продукта **CIM 1XX LON 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/EO).
Приложен стандарт: EN 61010-1: 2001.
- Директива за електромагнитна съвместимост (2004/108/EO).
Приложен стандарт: EN 61326-1: 2006.

DK Overensstemmelseserklæring

Vi **Grundfos** erklærer under ansvar, at produktet **CIM 1XX LON-modul**, som denne erklæring omhandler, er i overensstemmelse med disse af Rådets direktiver om indbyrdes tilnærmetlse 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.

EE Vastavusdeklaratsioon

Meie, **Grundfos**, deklareerime enda ainuvastutusel, et toode **CIM 1XX LON modool**, mille kohta käesolev juhend käsib, on vastavusel EÜ Nõukogu direktiividega EMU liikmesriikide seaduse ühittamise kohta, mis käsitlevad:

- Madalpinge direktiivi (2006/95/EC).
Kasutatud standard: EN 61010-1: 2001.
- Elektromagnetiline ühilduvus (EMC direktiiv) (2004/108/EC).
Kasutatud standard: EN 61326-1: 2006.

E Declaración de Conformidad

Nosotros **Grundfos** declaramos bajo nuestra propia responsabilidad, que el producto **Módulo CIM 1XX LON**, al cual se refiere esta declaración, está conforme con las Directrices 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.

HR Izjava o uskladenosti

Mi, **Grundfos**, izjavljujemo pod vlastitim odgovornošću da je proizvod **CIM 1XX LON modul**, na koji se ova izjava odnosi, u skladu s direktivama ovog Vijeća o uskladjivanju 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.

LV Paziņojums par atbilstību prasībām

Sabiedrība **GRUNDFOS** ar pilnu atbilstību dara ziņāmu, ka produkts **Modulis CIM 1XX LON**, uz kuru attiecas šis paziņojums, atbilst šādām Padomes direktīvām par tuvināšanos EK dalībvalstu likumdošanas normām:

- Zema spriguma direktīva (2006/95/EK).
Piemērotais standarts: EN 61010-1: 2001.
- Elektromagnētiskās saderības direktīva (2004/108/EK).
Piemērotais standarts: EN 61326-1: 2006.

H Megfelelőségi nyilatkozat

Mi, a **Grundfos**, egyedi felelősséggel kijelentjük, hogy a **CIM 1XX LON modul** termék, amelyre jelen nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelvét összehangoltanács alábbi előírásainak:

- Kisfeszültségű Direktíva (2006/95/EK).
Alkalmazott szabvány: EN 61010-1: 2001.
- EMC Direktíva (2004/108/EK).
Alkalmazott szabvány: EN 61326-1: 2006.

NL Overeenkomstigheidsverklaring

Wij Grundfos verklaren geheel onder eigen verantwoordelijkheid dat het product **CIM 1XX LON module** waarop deze verklaring betrekking heeft, in overeenstemming is met de Richtlijnen van de Raad in zake de onderlinge aanpassing van de wetgeving van de EG lidstaten betreffende:

- Laagspannings Richtlijn (2006/95/EG).
Gebruikte norm: EN 61010-1: 2001.
- EMC Richtlijn (2004/108/EG).
Gebruikte norm: EN 61326-1: 2006.

PL Deklaracja zgodności

Międzynarodowa jednostka oceny zgodności oznacza, że niniejsza deklaracja dotyczy wyprodukowanego w wytycznych Radyskich przepisów prawnych krajów członkowskich WE:

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

RU Deklarация о соответствии

Мы, компания **Grundfos**, со всей ответственностью заявляем, что изделия **Модуль CIM 1XX LON**, к которым относится настоящая декларация, соответствуют следующим Директивам Совета Европейского Союза о 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.

SK Prehlásenie o konformite

My firma **Grundfos** prehľadávame na svoju plnú zodpovednosť, že výrobok **Modul CIM 1XX LON**, na ktorý sa toto prehlásenie vzťahuje, je v súlade s ustanovením smerníc Rady pre zblíženie právnych predpisov členských štátov Európskeho spoločenstva v oblastiach:

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

SER Deklaracija o konformitetu

Mi, **Grundfos**, izjavljujemo pod vlastitom odgovornošču da je proizvod **CIM 1XX LON modul**, na koji se ova izjava odnosi, v skladu sa direktivama Saveta za usklajivanje zakona država članica EU:

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

S Försäkran om överensstämmelse

Vi, **Grundfos**, försäkrar under ansvar att produkten **CIM 1XX LON-modul**, som omfattas av denna försäkran, är i överensstämmelse med rådets direktiv om inbördes närmården till EU-medlemsstaternas lagstiftning, avseende:

- Lågspänningssdirektivet (2006/95/EC).
Tillämpad standard: EN 61010-1: 2001.
- EMC-direktivet (2004/108/EC).
Tillämpad standard: EN 61326-1: 2006.

ZH 产品合格声明书

我们~~格兰富~~在我们的全权责任下声明，产品 **CIM 1XX LON 模块**，即该合格证所指之产品，符合欧共体使其成员国法律趋于一致的以下欧共理事会指令：

- 低电压指令 (2006/95/EC).
所用标准: EN 61010-1: 2001.
- 电磁兼容性指令 (2004/108/EC).
所用标准: EN 61326-1: 2006.

KO

Grundfos
LON

EC

- (2006/95/EC).
: EN 61010-1: 2001.
- EMC (2004/108/EC).
: EN 61326-1: 2006.

CIM 1XX

UA Свідчення про відповідність вимогам

Компанія **Grundfos** заявляє про свою виключну відповідальність за те, що продукт **Модуль CIM 1XX LON**, на який поширяється дана декларація, відповідає таким рекомендаціям Ради з уніфікації правових норм країн - членів ЄС:

- Низька напруга (2006/95/EC).
Стандарти, що застосовувалися: EN 61010-1: 2001.
- Електромагнітна сумісність (2004/108/EC).
Стандарти, що застосовувалися: EN 61326-1: 2006.

P Declaração de Conformidade

A **Grundfos** declara sob sua única responsabilidade que o produto **Módulo CIM 1XX LON**, 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.

RO Declarație de Conformitate

Noi **Grundfos** declarăm pe propria răspundere că produsele **Modul CIM 1XX LON**, la care se referă această declaratie, sunt în conformitate cu aceste Directive de Consiliu asupra armonizării legilor Statelor Membre CE:

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

SI Izjava o skladnosti

V **Grundfos** s polno odgovornostjo izjavljamo, da so naši izdelki **CIM 1XX LON 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/EG).
Uporabljena norma: EN 61010-1: 2001.
- Direktiva o elektromagnetni združljivosti (EMC) (2004/108/EG).
Uporabljena norma: EN 61326-1: 2006.

FIN Vaatimustenmukaisuusvakuutus

Me **Grundfos** vakuutamme omalla vastuullamme, että tuote **CIM 1XX LON-moduuli**, jota tämä vakuutus koskee, on EY:n jäsenvaltioiden lainsäädännön yhdenmukaistamiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukainen seuraavasti:

- Pienjännitedirektiivi (2006/95/EY).
Sovellettu standardi: EN 61010-1: 2001.
- EMC-direktiivi (2004/108/EY).
Sovellettu standardi: EN 61326-1: 2006.

TR Uygunluk Bildirgesi

Grundfos olarak bu beyannameye konu olan **CIM 1XX LON modülü** ürünlerinin, AB Üyesi Ülkelerin kanunlarını birbirine yaklaştırma üzerine Konsey Direktiflerine uyumlu olduğunu yalnızca bizişim sorumluluğumuz altında olduğunu beyan ederiz:

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

JP 適合宣言書

Grundfos は、その責任の下に、**CIM 1XX LONモジュール** 製品が EC 加盟諸国の法規に関連する、以下の評議会指令に適合していることを宣言します：

- 低電圧指令 (2006/95/EC).
適用規格：EN 61010-1: 2001,
EMC 指令 (2004/108/EC).
適用規格：EN 61326-1: 2006,

Bjerringbro, 1st February 2010

Jan Strandgaard
Technical Director

English (GB) Installation and operating instructions

CONTENTS

	Page
1. Symbols used in this document	7
2. Applications	7
2.1 CIM 1XX LON module	7
3. Installation	7
3.1 Connecting the LON	8
3.2 Registration in a LON network	8
4. LEDs	8
5. Fault finding	9
6. Technical data	10
7. Service	10
7.1 Service documentation	10
8. Disposal	10

Warning

Prior to installation, read these installation and operating instructions. 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!

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. Applications

The CIM 1XX LON module (CIM = Communication Interface Module) enables data transmission between a LON network and a Grundfos product. The CIM 1XX is fitted in the product to be communicated with or in a CIU 1XX unit (CIU = Communication Interface Unit).

Retrofitting of the CIM 1XX is described in the installation and operating instructions of the Grundfos product.

Further information

For further information about configuration and functionality of the CIM 1XX, see the specific functional profile on the CD-ROM supplied with the product.

2.1 CIM 1XX LON module

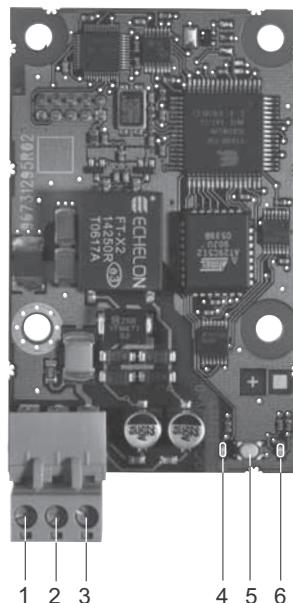


Fig. 1 CIM 1XX LON module

Pos.	Designation	Description
1	A	LON terminal A
2	B	LON terminal B
3	Screen	LON terminal for cable screen
4	LED1	Yellow service LED
5	Pin	Service pin (push-button)
6	LED2	Red/green status LED for internal communication between the CIM 1XX and the Grundfos product

3. Installation



Warning

The CIM 1XX must only be connected to SELV or SELV-E circuits.

3.1 Connecting the LON

Grundfos recommends to use a cable according to Echelon standards.

Examples of recommended cable types

- Belden 85102
- Belden 8471
- Level IV, 22 AWG
- JY(St) Y 2 x 2 x 0.8
- TIA Category 5.

A LON network must be terminated. The termination depends on the network topology chosen.

Fitting the cable

Procedure:

See fig. 2.

1. Connect the conductors to terminal A (pos. 1).
2. Connect the conductors to terminal B (pos. 2).
3. Connect the twisted screen ends to terminal "Screen" (pos. 3).

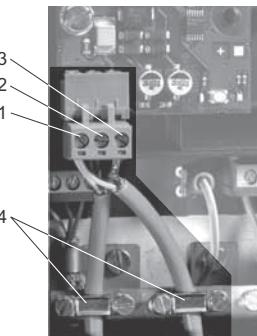
The screen must only be connected to the screen terminal of the CIM 1XX LON module. See fig. 2, pos. 3.

Note

The cable screen must never be connected to earth via the earth clamp. See fig. 2, pos. 4.

Note

The stripped part of the cable screen must be as short as possible to reduce the impedance at high frequencies.



TM04 1957 1508

Fig. 2 Connecting the LON

Pos.	Description
1	LON terminal A
2	LON terminal B
3	LON terminal for cable screen
4	Earth clamp

3.2 Registration in a LON network

Grundfos products with a CIM 1XX LON module are registered by a LON network in one of these ways:

- Service pin
- Bar code label.

Service pin

When the service pin push-button of the module is activated, the module will send a unique 48 bit ID code (Neuron ID) which is registered in the LON network.



TM04 1958 1508

Fig. 3 Service pin

Bar code label

The Neuron ID on the module or on the enclosed bar code label is scanned and registered in the LON network. The bar code of the Neuron ID is in Code 128 format. The additional bar code label can be attached to the building installation plan.

4. LEDs

The CIM 1XX LON module has two LEDs. See fig. 1.

- Yellow service LED (LED1)
- Red/green status LED (LED2) for internal communication between the CIM 1XX and the Grundfos product.

LED1

The yellow LED on the CIM 1XX functions as a service LED. When the Grundfos product is connected to the power supply, the service LED will flash once and then remain off if the installation has been made correctly. In case of deviations, see section 5. *Fault finding*.

LED2

Status	Description
Off	The CIM 1XX has been switched off.
Flashing red	No internal communication between the CIM 1XX and the Grundfos product.
Permanently red	The CIM 1XX does not support the Grundfos product connected.
Permanently green	Internal communication between the CIM 1XX and the Grundfos product is OK.

5. Fault finding

Faults in a CIM 1XX LON module can be detected by observing the status of the service LED (LED1) and the LED for internal communication (LED2). See the table below.

CIM 1XX fitted in a Grundfos product

Fault (LED status)	Possible cause	Remedy
1. The service LED (LED1) remains off when the power supply is connected.	a) The CIM 1XX has not been fitted correctly in the Grundfos product. b) No power supply to the CIM 1XX. c) The CIM 1XX is defective.	Fit the CIM 1XX correctly in the Grundfos product. Check the power supply to the Grundfos product. Replace the CIM 1XX.
2. The service LED (LED1) is permanently on.	a) The CIM 1XX is defective.	Replace the CIM 1XX.
3. The service LED (LED1) flashes when the power supply is connected to the CIM 1XX, turns off, turns on again and remains permanently on.	a) The CIM 1XX has no application software (application-less). b) The CIM 1XX is defective.	Try to download application software via a LON installation tool such as LonMaker. Replace the CIM 1XX.
4. The service LED (LED1) flashes every second.	a) The CIM 1XX has not been installed.	Install the CIM 1XX by means of a LON installation tool such as LonMaker.
5. The Grundfos product does not react to changes of settings, and the readout from the LON network is incorrect. The LED for internal communication (LED2) is permanently red.	a) The CIM 1XX does not support the Grundfos product connected. b) The LON application may be wrong, for instance CIM 110 software where CIM 100 software is required.	Contact the nearest Grundfos company. Download correct software via a LON installation tool such as LonMaker.
6. The Grundfos product does not react to changes of settings, and the readout from the LON network is incorrect. The LED for internal communication (LED2) is flashing red.	a) The cable between the CIM 1XX and the Grundfos product is connected incorrectly or damaged.	Connect the cable correctly, or replace the cable.

CIM 1XX fitted in the CIU 1XX

Fault (LED status)	Possible cause	Remedy
1. The service LED (LED1) remains off when the power supply is connected.	a) No power supply to the CIU 1XX. b) The CIM 1XX is defective.	Check the power supply to the CIU 1XX. Replace the CIM 1XX.
2. The service LED (LED1) is permanently on.	a) The CIM 1XX is defective.	Replace the CIM 1XX.
3. The service LED (LED1) flashes when the power supply is connected to the CIM 1XX, turns off, turns on again and remains permanently on.	a) The CIM 1XX has no application software (application-less). b) The CIM 1XX is defective.	Try to download application software via a LON installation tool such as LonMaker. Replace the CIM 1XX.
4. The service LED (LED1) flashes every second.	a) The CIM 1XX has not been installed.	Install the CIM 1XX by means of a LON installation tool such as LonMaker.
5. The Grundfos product does not react to changes of settings, and the readout from the LON network is incorrect. The LED for internal communication (LED2) is permanently red.	a) The CIM 1XX does not support the Grundfos product connected. b) The LON application may be wrong, for instance CIM 110 software where CIM 100 software is required.	Contact the nearest Grundfos company. Download correct software via a LON installation tool such as LonMaker.
6. The Grundfos product does not react to changes of settings, and the readout from the LON network is incorrect. The LED for internal communication (LED2) is flashing red.	a) The cable between the CIM 1XX and the Grundfos product is connected incorrectly or damaged.	Connect the cable correctly, or replace the cable.

Note

Fault finding in a LON network requires a special tool such as Honeywell Excelon (not supplied by Grundfos).

6. Technical data

Transceiver	FTT 10
Cable	Screened, twisted-pair, according to Echelon standards
Transmission speed	78 kbits/s
Protocol	LonTalk
Supply voltage	5 V ± 5 %
Current consumption	Max. 200 mA
Storage temperature	-25 °C to +70 °C -13 °F to +158 °F

7. Service**7.1 Service documentation**

Service documentation is available on www.grundfos.com > International website > WebCAPS > Service.

If you have any questions, please contact the nearest Grundfos company or service workshop.

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.

Argentina

Bombas GRUNDFOS de Argentina S.A.
Ruta Panamericana km. 37.500 Lote
34A
1619 - Garín
Poia, 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.: +43-6246-883-00
Telefax: +43-6246-883-30

Belgium

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

Belorussia

Представительство ГРУНДФОС в
Минске
220 123, Минск,
ул. В. Корчакей, 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

ROMBAS 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: +86-021-612 252 22
Telefax: +86-021-612 253 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.
České Budějovice 21
779 00 Olomouc
Phone: +420-585-716 111
Telefax: +420-585-716 299

Denmark

GRUNDFOS DK A/S
Martin Bachs Vej 3
DK-8860 Bjerringbro
Tel.: +45-87 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 Pumpum AB
Mestariintie 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
Schülersstr. 33
40699 Erkrath
Tel.: +49-(0) 211 929 69-0
Telefax: +49-(0) 211 929 69-3799
e-mail: info@grundfos.de
Service in Deutschland:
e-mail: kundeninst@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: +852-27856664

Hungary

GRUNDFOS Hungária Kft.
Park u. 8
H-2045 Törökpalánk.
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 Indonesia Ltd.
Jl. Rawi 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, Higashigotanda
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 bīzeņa centrā
Augsta Deglava ielā 60, LV-1035, Riga,
Tāl.: +371 714 9640, 7 149 641
Faks: +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 UI/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: +52-81-6444 4000
Telefax: +52-81-6444 4010

Netherlands

GRUNDFOS Netherlands
Veluweweg 35
1326 AE Almere
Postbus 2215
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 40 47 00
Telefax: +47-22 32 21 50

Poland

GRUNDFOS Pompy Sp. z o.o.
ul. Klonowa 23
Baranow 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

Romania

GRUNDFOS Pompe România SRL
Bd. Biruței, 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 Ivkovića 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.
Štandražova 8b, SI-1213 Ljubljana-Črnuče
Phone: +386 1 568 0610
Telefax: +386 1 568 0619
E-mail: slovenia@grundfos.si

South Africa

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 Fuenteclla, s/n
E-28110 Algete (Madrid)
Tel.: +34-91-849 8800
Telefax: +34-91-628 0465

Sweden

GRUNDFOS AB
Box 333 (Lunnagårdsgatan 6)
431 24 Mölndal
Tel.: +46(0)771-32 23 00
Telefax: +46(0)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 Phraikit Rama 9 Road,
Dokmai, Pratay, Bangkok 10250
Phone: +66-2-725 8999
Telefax: +66-2-725 8998

Turkey

GRUNDIFOS POMPA San. ve Tic. Ltd.
Sti.
Gebze Organize Sanayi Bölgesi
İhsan 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

TOВ ГРУНДФОС УКРАЇНА
01101 Київ, Вул. Московська 86,
Tel.:(+38 044) 390 40 50
Фах.: (+38 044) 390 40 59
E-mail: ukaine@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

BE > THINK > INNOVATE >

Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

96847103 0810

Repl. 96847103 0309

ECM: 1064226

The name Grundfos, the Grundfos logo, and the payoff Be-Think-Innovate are registered trademarks owned by Grundfos Management A/S or Grundfos A/S, Denmark. All rights reserved worldwide.
