COMMUNICATION INTERFACES
COMPLETE CONTROL FOR PUMPS AND PUMP SYSTEMS
THE CIM/CIU CONCEPT

For complete control of pump systems, the Grundfos fieldbus concept is the right solution. The newly-developed Communication Interface Module (CIM) and the Communication Interface Unit (CIU) enable data communication via open and interoperable networks such as Profibus DP, Modbus RTU, LONWorks, BACnet MS/TP®, GSM/GPRS, or using Grundfos Remote Management.

The series of Grundfos CIM/CIU communication interfaces offer ease of installation and commissioning, user-friendliness and great value for money in the long term. All modules are based on standard functional profiles for an easy integration into the network and easy understanding of data points.

When to use CIM and CIU
CIM modules are add-on modules that allow communication with 11 to 22 kW E-pumps, Dedicated Controls and the new Hydro Multi-B.

The CIU communication interface unit is for products with a GENIbus interface such as small E-pumps, circulation pumps and boosters. CIU units have an integrated 24 to 240 V power supply and are prepared for wall-mounting or DIN-rail mounting.

THE IDEAL SOLUTION

The Grundfos CIM/CIU communication interfaces enable the connection of Grundfos products to standard fieldbus networks, offering substantial benefits:

- Complete process control
- One concept for Grundfos products
- Modular design – prepared for future needs
- Based on standard functional profiles
- 24-240 VAC/DC power supply in CIU modules
- Simple configuration and easy to install
- Open communication standards

Integration CD for fast commissioning
With every CIM/CIU communication interface module, Grundfos gives you an integration CD that ensures easy integration into supervisory systems and fast commissioning. You are provided with functional profiles, documentation and installation files, ready to use.

The CIM/CIU PC Tool with support for Modbus, GENIbus, Profibus and BACnet are included for easy integration into SCADA systems.

WHY GRUNDFOS CIM/CIU MODULES MAKE GOOD SENSE

Open and interoperable data bus networks are becoming increasingly important for supervisory systems monitoring pump systems, and Grundfos is committed to open protocols. You gain an optimal, flexible and therefore cost-effective integration of data communication and field devices such as pumps or pump systems into management systems.

Taking complete control of your pump system in this way offers many advantages. The time spent on reporting, data collection, and so on is minimised – as are service visits. When you always know how your pumps are doing, maintenance visits can be scheduled for maximum efficiency – and emergencies reduced to the barest minimum.

CIM/CIU COMMUNICATION INTERFACE PRODUCTS

Supports a wide range of Grundfos products, for detailed information see the table below:

<table>
<thead>
<tr>
<th>GENIbus</th>
<th>CIM/CIU Communication Interface Products</th>
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<tr>
<td>MAGNA/</td>
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<tr>
<td>CUE</td>
<td>050 for GENIbus</td>
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<tr>
<td>MBC</td>
<td>100/110 and CIU 100/110 for LONWorks networks</td>
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<tr>
<td>MBC</td>
<td>150 for Profibus DP networks</td>
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<tr>
<td>MBC</td>
<td>200 and CIU 202 for Modbus RTU networks</td>
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<td>MBC</td>
<td>200 and CIU 202 for Modbus RTU networks</td>
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<tr>
<td>MBC</td>
<td>300 for BACnet MS/TP networks</td>
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<tr>
<td>MBC</td>
<td>300 for BACnet MS/TP networks</td>
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<tr>
<td>CIU</td>
<td>250/252 and CIU 252 for GRM</td>
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<td>CIU</td>
<td>270/271 and CIU 272 for GRM</td>
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11-22 kW TPED need to use the CIU units.

For more detailed information, see the CIM/CIU communication interface leaflets.
SEE THE BIGGER PICTURE
Grundfos is a global leader within water handling technology. Our passion is to bring you all the products you require to create and operate pump systems that combine reliability, cost-efficiency – and innovation. Our products are for use in water supply and wastewater infrastructure on any scale.

Grundfos has a full line of products and systems for the intake, treatment, and distribution of drinking water and for the transport and treatment of wastewater. We also offer expertise and industry insight that can increase reliability and reduce lifecycle costs for water utilities.

Key product areas include:
- Submersible pumps
- Surface pumps
- Sewage pumps
- Mixers, flowmeters & recirculation pumps
- Pumping stations
- Monitoring & controls
- Dosing & disinfection
- Aeration equipment

Further details about Grundfos communication interfaces and Remote Management are available on request – contact your local Grundfos office or representative.

Our products are the result of decades of engineering expertise. Supported by a worldwide service network. Visit www.grundfos.com for more.