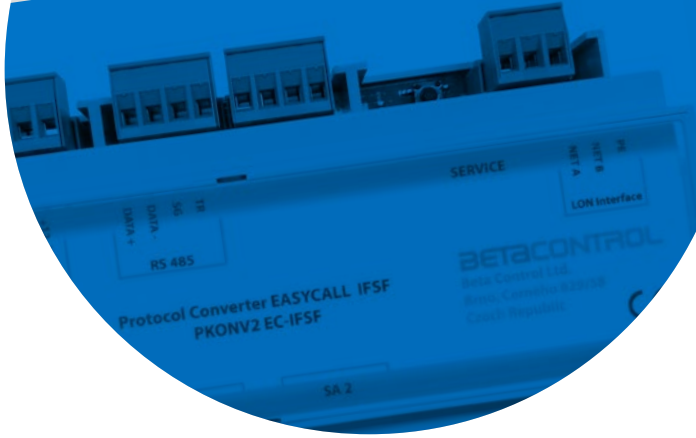


PKONV2

Universal communication protocol converter for fuel stations

The PKONV2 converter represents a reliable and flexible solution for converting proprietary communication protocols to IFSF/LON® and IFSF/TCP-IP® standards. Thanks to its universal design, it enables easy integration of various types of fuel dispensers into modern fuel station management systems. The device allows simultaneous control of up to two dispensing points and is equipped with two asynchronous communication lines on the dispenser side. Its modular concept ensures high application flexibility and support for various communication interfaces such as current loop, RS- 485, RS-422, or RS-232. PKONV2 can therefore be easily adapted to specific technological and operational requirements. Its compact plastic enclosure designed for DIN rail mounting enables quick and easy installation. Thanks to its wide operating temperature range, the device can be installed directly inside the dispenser head or in a technological control cabinet. Power supply is provided by an external stabilized power source in the range of +5 V or +12 to +24 V. PKONV2 is designed with emphasis on long-term reliability, easy integration, and minimal maintenance requirements. It represents an ideal solution for both modernization and interconnection of existing fuel station technologies with higher-level management systems.

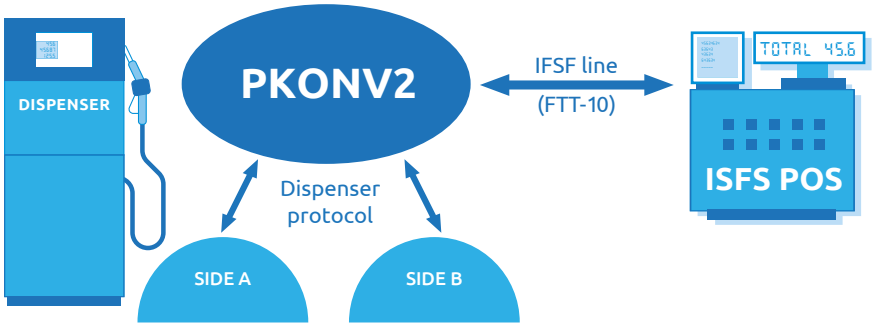
Features:

- Implementation of the IFSF dispenser application standard V2.11
- Variable communication interfaces for fuel dispensers
- Support for both multi-product and single-product fuel dispensers
- Cost-effective solution for upgrading fuel dispensers to IFSF standard operation
- Wide operating temperature range
- Easy installation and configuration
- Wide operating temperature range
- Diagnostic LEDs and diagnostic interface
- Software update via the IFSF/LON communication line
- Implementation of new proprietary protocols upon request

Supported communication protocols for fuel dispensers:

- DART (Dresser Wayne, Petrolmeccanica)
- EASYCALL (Adast)

Typical installation



BETACONTROL
Beta Control s.r.o.
Cerneho 829/58, 635 00 Brno-Bystrc
Czech Republic

obchod@betacontrol.cz
www.betacontrol.eu

Technical specifications:

Power supply	5 VDC / 200 mA; 12 VDC – 24 VDC
Operating temperature range	-40 °C to +80 °C
Dimensions	90x58x160 mm
Communication line	IFSF communication line FTT-10 (Free Topology Twisted Pair)
	IFSF communication line TCP-IP
Diagnostic LEDs	Status LEDs (proper operation, IFSF communication, dispenser (communication)
Diagnostics	microSD card, USB port

Product range overview

Order code	Name	Description
204846	**PKONV EC-IFSF**	External IFSF module for counters of the ADP1/L, ADP/T, ADP/M and ADP/E series. It does not require removal of the counter cover (no damage to the metrological seal during installation). *Communication interfaces:* *EASYCALL – RS485, 9600 Bd* *IFSF – FTT-10 (Free Topology Twisted Pair).*
204847	**PKONV WD-IFSF**	Protocol converter DART – IFSF enables connection of fuel dispensers using the DART protocol (e.g., Dresser-Wayne) to an IFSF point-of-sale system. Universal use for single-product and multi-product dispensers with up to two dispensing points. The PKONV WD-IFSF features an extended power supply range of +5 V or +12–24 V. *Communication interfaces:* *DART – RS485, 9600/19200 Bd* *IFSF – FTT-10 (Free Topology Twisted Pair).*

Ver. / 5.2026 / Subject to change without notice. Errors and omissions excepted. Photos are for illustrative purposes only.

Co-funded by the European Union

BETACONTROL
Beta Control s.r.o.
Cerneho 829/58, 635 00 Brno-Bystrc
Czech Republic

obchod@betacontrol.cz
www.betacontrol.eu