

# I-PROP

## IFSF-LON<sup>®</sup> from Proprietary Protocol Converter

### UP TO TWO ALTERNATIVE INTERFACES IF 1,2

The module used depends on proprietary Dispenser

#### Calculator interface

- RS485
- Current-Loop (several types)
- RS232, RS422
- the others if requested

#### Dispensers RS485

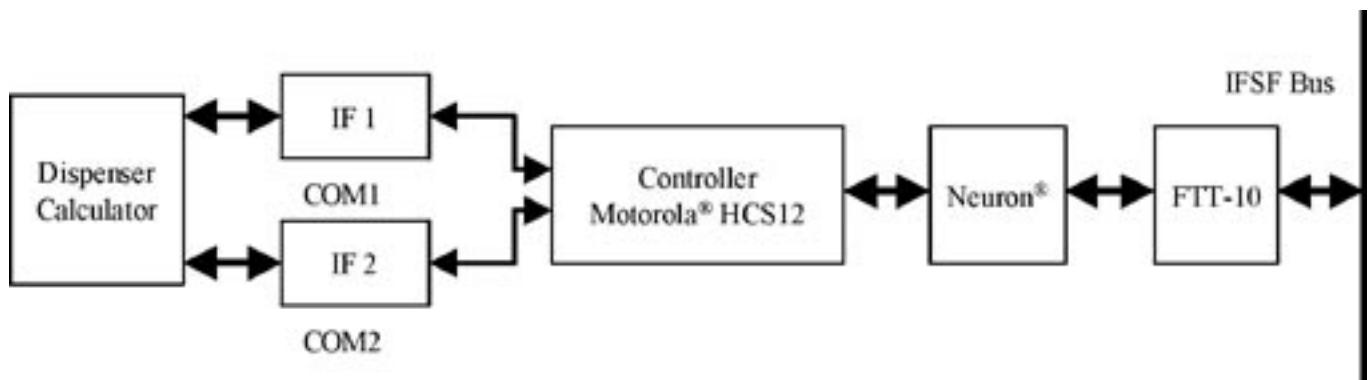
- Wayne-Dresser DART protocol

#### Dispensers Current Loop

- Schlumberger (ZSR)
- Tokheim (CoCA EPS 3/5)
- Mannesmann-Kienzle (ER3/4)
- Salzkoten (ER3/4)
- Scheidt-Bachmann (ER3/4 on RS422)



The hardware of the I-PROP converter has been designed as the **universal hardware** making possible the **conversion from proprietary interfaces** of the site equipment devices to the interface **standard IFSF-LON<sup>®</sup>**. The converter has been equipped with the two asynchronous communication lines on the proprietary interface side. The **modular design** of the proprietary side enables the alternative physical lines (RS485, Current Loops, RS232, RS422 etc.). The proprietary communication protocol has been implemented to the converter as the special software module for each proprietary device converted to the IFSF-LON standard. The converter I-PROP has been placed to the plastic box enabling the **installation to the DIN mounting rail**. The converter has been designed for placing to the switchboard panel of the particular device, which communication is converted to the IFSF-LON. I-PROP is not equipped with its own power supply. It is necessary to **use the stabilised 5V DC external power supply** (recommended) or the power supply from the converted device.



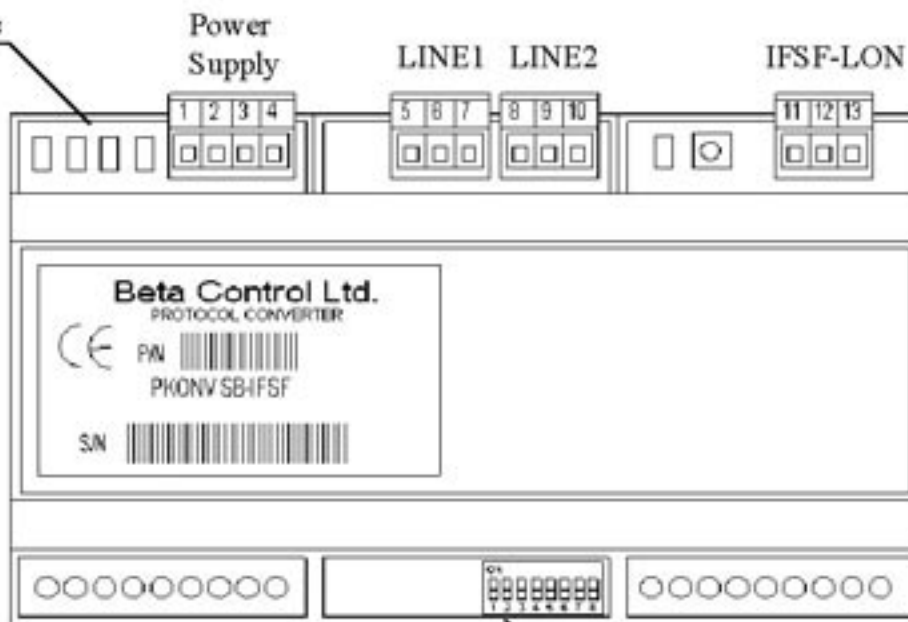
- Control and Point-of-Sale Systems
- Electronic Calculators
- Displays LCD and electromechanical
- Communication Protocol Convertors
- IFSF Standard
- Remote Equipment Monitoring



EN ISO 9001:2000

Development, production and service of embedded real-time distributed control and information systems

Indication LEDs



DIPs for IFSF address setting

PIN	Description				Note
1	+5 V				
2	IRQ				Power Fail Detection
3	GND				
4	+12 V				For Hect.-Kienzle only
	RS485	Hect.-Kienzle Salzkoten	Schlumberger	Tokheim	
5	I-GND	NC	NC	NC	LINE 1
6	DATA+	Y	Tx-	OUT	
7	DATA-	Z	Rx+	IN	
8	I-GND	NC	NC	NC	LINE 2
9	DATA+	Y	Tx-	OUT	
10	DATA-	Z	Rx+	IN	
11	IFSF – NETA				LON – FTT10
12	IFSF – NETB				LON – FTT10
13	PE				GROUND

- Control and Point-of-Sale Systems
- Electronic Calculators
- Displays LCD and electromechanical
- Communication Protocol Convertors
- IFSF Standard
- Remote Equipment Monitoring



EN ISO 9001:2000

Development, production and service of embedded real-time distributed control and information systems