

Guide
to
configuration with
Standard Psion Workabout programme
in Brunata Futura Signal⁺

Version 1.0

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Table of Contents

1 General description.....2

1.2 Meter types and choice of Brunata Futura Signal+ model3

1.3 Meter priority3

1.4 Programming the pulse collector4

2 Help and support.....5

1 General description

Brunata Futura Signal⁺ is a pulse collector, which collect meter data from up to three pulse-generating meters (hereafter, it is assumed that the meters are pulse-generating). The meters do not need to be the same type. Each meter is connected to its own input channel on Brunata Futura Signal⁺.

The pulse counter can be supplied with radio transmitter (Brunata Futura Signal⁺) or without (Brunata Futura Signal). The information in this guide is relevant for both types.

If Brunata Futura Signal⁺ is only connected to an electricity meter, the junction box can be omitted. The Brunata Futura Signal⁺ cable can be connected directly to the terminal screws in the electricity meter. If desired, the pre-mounted Brunata Futura Signal⁺ cable can be used. The maximum cable length is 3 m. In the cable, only the conductors [red - black] are used; the other conductors must be carefully insulated.

NB! Brunata Futura Signal⁺ version 2 has got three active channels out of 4 channels available in the hardware:

FS ⁺ model	Product no. Version 2	Channel 1	Channel 2	Channel 3	Channel 4
	with transmitter				
0/3	45-3100-A	Reed	Reed	Reed	Reed
1/2	45-3101-A	S01	Reed	Reed	Reed
2/1	45-3102-A	S01	S01	Reed	Reed

1.2 Meter types and choice of Brunata Futura Signal+ model

It is assumed that the intention is to count pulses from an electricity meter. For this, Brunata Futura Signal⁺ with at least one S01 input is used, such as product no. 45-3101-A with transmitter. **S01 inputs are always given priority above reed inputs.** That is why S01 always has the lowest channel numbers (**S01 before Reed**).

1.3 Meter priority

When allocating Brunata Futura Signal⁺ channels to meters, the priority given to the various meters reflects that **S01 inputs must come before reed inputs:**

NB! Brunata Futura Signal⁺ version 2 can only have up to three active channels.

For instance, an electricity meter (S01), a hot water meter (reed) and a cold water meter (reed) must be connected as follows in a 1/2 FS⁺:

Channel	Input	Meter type
1	S01	90
2	Reed	82
3	Reed	80
4	Reed	Free

Brunata Futura Signal ⁺ cable, WHITE terminal screw row							
Red	Black	Blue	Yellow	Green	White	Grey	Brown
Channel 1		Channel 2		Channel 3		Channel 4	
-	+	-	+	-	+	-	+
Cables from meters, GREEN terminal screw row							

1.4 Programming the pulse collector

The channels are programmed in the same way on pulse collectors with and without transmitter. The pulse collector is programmed using Psion Workabout with reading head.

In the WA Brunata menu, select “RME 95/Configuration/Pulse Collector /Standard”
The first screen applies to Channel 1 Electricity meter:

If channel 1 is not used, press “DEL”.

If channel 1 is used, enter the (displayed) meter reading on the electricity meter. Note that the Brunata Futura Signal⁺ display only has two decimals. Then press “Enter”.

The electricity meters must have a 1 kWh pulse output.

Channel:	1
Type:	Electricity meter
Unit:	kWh
Meter status:	0

Deactivated	Activated
DEL	Enter

The second screen applies to Channel 2 Hot water meter:

If channel 2 is not used, press “DEL”.

If channel 2 is used, enter the meter status from the hot water meter. Note that the Brunata Futura Signal⁺ display only has two decimals. Then press “Enter”.

The water meter must have a 10 litre pulse output.

Channel:	2
Type:	Hot water meter
Unit:	Litre
Meter status:	0

Deactivated	Activated
DEL	Enter

The third screen applies to Channel 3 Cold water meter.

If channel 3 is not used, press “DEL”.

If channel 3 is used, enter the displayed meter reading on the cold water meter. Note that the Brunata Futura Signal⁺ display only has two decimals. Then press “Enter”.

The water meter must have a 10 litre pulse output.

Channel:	3
Type:	Cold water meter
Unit:	Litre
Meter status:	0

Deactivated	Activated
DEL	Enter

The activated channels will be displayed as shown on the WA screen below. Press “Enter” to send the configuration or “Esc” to annul.

Channel 1:	Electricity meter
Channel 2:	Hot water meter
Channel 3:	Cold water meter
Channel 4:	-

Annul	Send configuration
Esc	Enter

2 Help and support

If you have any questions in connection with the use of the programme, please contact the Technical Service and Support Department at Brunata by:

Telephone:	+45 7777 7000
Fax:	+45 7777 7001
E-mail:	service@brunata.dk