



PSW Basic



PSW Premium



PSW Universal

The PSW Pump signal converter series

The PSW Pump signal converter series translates the speed control signal of the controller into an input signal suitable for a HE pump.



Older controller models

HE pump

Solution

Older controller models

PSW

HE pump



- The existing controller can still be used
- Controller adjustments do not have to be changed

- All PSW models can be used with any pump and controller brand
- This will save you time and money

TECHNICAL DATA

PSW Basic

Inputs: On/Off, bursts/wave packets, phase cutting
Outputs: PWM/0-10V
PWM frequency: 625 Hz ± 15 %
PWM voltage: 11 V
Power supply: 230V~ (50 Hz)
Supply connection: type X attachment
Power consumption: max. 1.5 VA
Mode of operation: 1
Rated impulse voltage: 2.5 kV
Functions: signal converter, converting a speed-controlled 230V signal into a PWM or 0-10V signal
Housing: plastic, PC-ABS and PMMA
Mounting: wall mounting
Ingress protection: IP 65/EN 60529
Protection class: II
Ambient temperature: 0 ... 40 °C
Degree of pollution: 2
Relative humidity: 10 ... 90 %
Overvoltage category: 2
Fuse: T0.2A
Maximum altitude: 2000 m above MSL
Dimensions: 80 x 80 x 53 mm

TECHNICAL DATA

PSW Premium

Inputs: On/Off, bursts/wave packets, phase cutting
Outputs: 1 semiconductor relay, 1 PWM, 1 0-10V
PWM frequency: 625 Hz ± 2.5 %
PWM voltage: 11 V
Switching capacity: 1A/230V~ (semiconductor relay)
Power supply: 230V~ (50 Hz)
Supply connection: type X attachment
Power consumption: max. 1.7 VA
Mode of operation: 1.Y
Rated impulse voltage: 2.5 kV
Functions: signal converter, converting a speed-controlled 230V signal into a PWM or 0-10V signal.
Housing: plastic, PC-ABS and PMMA
Indication/Display: operating control LED
Mounting: wall mounting
Protection type: IP 20/EN 60529
Protection class: I
Ambient temperature: 0 ... 40 °C
Degree of pollution: 2
Relative humidity: 10 ... 90 %
Overvoltage category: 2
Fuse: T1A
Maximum altitude: 2000 m above MSL
Dimensions: Ø 139 mm, depth 45 mm

Article no.	Article	Price bracket
180 010 50	PSW Basic – Pump signal converter	B
180 010 90	PSW Premium – Pump signal converter	B
180 010 60	PSW Universal – Pump signal converter	B



TECHNICAL DATA

PSW Universal

Inputs: On / Off, PWM, 0-10 V, 0-20 mA, 4-20 mA, bursts / wave packet, leading-edge phase control, trailing-edge phase control

Outputs: 1 semiconductor relay, 1 PWM, other: 0-10 V, 0-20 mA, 4-20 mA

PWM frequency: 625 Hz \pm 1 %

PWM voltage: 11 V

Switching capacity: 1 (1) A 240 V~ (semiconductor relay)

Total switching capacity: 1 A 240 V

Power supply: 100–240 V~ (50–60 Hz)

Supply connection: type X attachment

Power consumption: < 1 W

Mode of operation: 1.Y

Rated impulse voltage: 2.5 kV

Functions: signal converter

Housing: plastic, PC-ABS and PMMA

Indication/Display: operating control LED

Mounting: wall mounting

Operation: 1 DIP switch, 1 selector switch

Ingress protection: IP 20/EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Degree of pollution: 2

Relative humidity: 10... 90 %

Overvoltage category: 2

Fuse: T2A

Maximum altitude: 2000 m above MSL

Dimensions: 144 x 208 x 43 mm

	PSW Basic	PSW Premium	PSW Universal
PWM or 0-10V output signal	✓	✓	✓
Inversion of the output signal possible	✓	✓	✓
Pump status display		✓	✓
Outputs: 0-20 mA, 4-20 mA			✓

PSW in a set including a WILO Para HE pump

- Set at an attractive price
- Cables included with the device (Basic) or already pre-connected (Premium)
- Extra-quick mounting
- Harmonised system
- Available in DN15 and DN25
- Choice of different pumps
- OEM versions available
- Compatible with all makes and models of controllers

Article no.	Article	Price bracket
180 011 90	PSW Basic Set – incl. Wilo PARA ST 25/7 pump (130 mm)	B
180 011 80	PSW Basic Set – incl. Wilo PARA ST 15/7.0-PVM2 pump (130 mm)	B
180 012 00	PSW Basic Set – incl. Wilo PARA ST 25/7 pump (180 mm)	B
180 011 13	PSW Premium Set – incl. Wilo PARA ST 15/7.0-PVM2 pump (130 mm)	B
180 011 23	PSW Premium Set – incl. Wilo PARA ST 25/7 pump (130 mm)	B
180 011 53	PSW Premium Set – incl. Wilo PARA ST 25/7 pump (180 mm)	B