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**Wilo-OEM Solutions** 

Wilo-Para / SC Quick start guide

WILO Group Strategic Business Unit OEM

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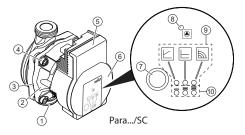


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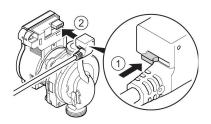
# Wilo-Para self control / Installation

### One push-button

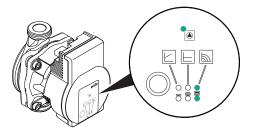


- 1 Pump housing with screwed connections
- 2 Glandless motor
- 3 Condensate drain openings (4x around circumference)
- 4 Housing screws
- 5 Control module
- 6 Rating plate
- 7 Green push button
- 8 Fault signal LED
- 9 Display for control mode ( $\Delta p-v$ ,  $\Delta p-c$ , N constant)
- 10 Display for speed setting (I, II, III)

#### **Electrical connection**

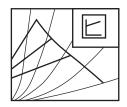


### Standard factory setting



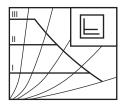
# Wilo-Para self control / Setting

## Differential pressure variable Ap-v (I, II, III)



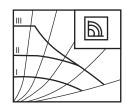
Recommended for two-pipe heating systems with radiators to reduce the flow noises at thermostatic valves.

# Constant differential pressure $\Delta p$ -c (I, II, III)



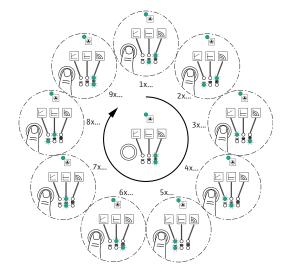
Recommended for underfloor heating or for large-sized pipes, applications without a variable pipe network curve (e.g storage charge pumps) or single-pipe heating systems with radiators.

### Constant speed (I, II, III)



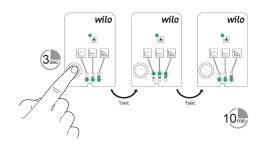
Recommended for systems with fixed system resistance requiring a constant volume flow and for replacement of AC pumps.

#### Push to change the pump setting

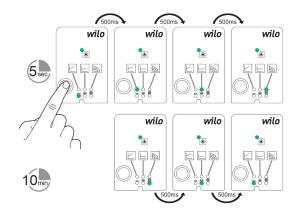


# Wilo-Para self control / Smart functions

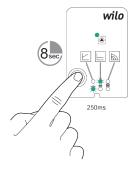
### Air-venting mode

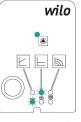


#### Manual restart



#### Lock & unlock





1sec on - 1 sec off