

Instruction Manual

Additional devices from this product family:

Fuego SCS basic Art.-No.: 8.001.000
laboratory burner with button function
and foot pedal

Fuego SCS Art.-No.: 8.000.000
laboratory burner with button function,
IR-Sensor and LC-Display

Fuego SCS pro Art.-No.: 8.004.000
laboratory burner with button function,
IR-Sensor, LC-Display, 2 rechargeable
batteries

Powerjet 2 Art.-No.: 6.006.000
Hand-held laboratory gas burner
with piezoelectric ignition

Accessories for Flame 100 (part-list)

Spay protector Art.-No.: 2.000.200
for more safety when handling
pathogenic material

Windshield Art.-No.: 2.000.600
for a stable flame under
conditions of strong air flow

Foot pedal Art.-No.: 6.000.402
made of stainless steel

Foot pedal Mini Art.-No.: 6.000.403
made of plastic



External IR-Motion Sensor

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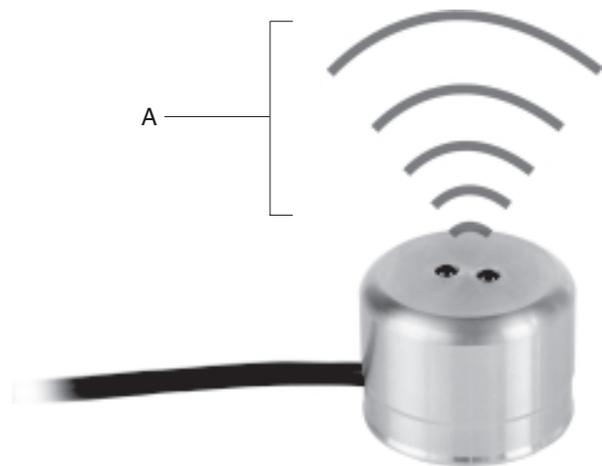
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- A - Detection range
- B - Adjusting screw for detection range of IR sensor
- C - Switch: DoubleClick: On/Off

Read these instructions carefully to familiarize yourself with the product. Please retain these operating instruction for future reference.

1. Application:

The external motion sensor is suitable for all Flame 100, Fuego and Gasprofi micro laboratory gas burners.

1.1 The range:

External motion sensor Art.-No.: 6.000.406

1.2 Technical Data:

Detection range: approx. 5 - 50 mm, adjustable
 Activation: SingleClick or DoubleClick
 Power connection: via Laboratory Gas Burner
 Measurements: (D x H) 36 x 28 mm
 Weight: 160 g

2. Connection:

Switch off laboratory gas burner. To connect, insert external motion sensor into foot pedal socket of laboratory gas burner (see instructions for relevant laboratory gas burner).

CAUTION: Connecting the external motion sensor while the laboratory gas burner is switched on can result in an immediate flame should an object be located within the detection area (A) of the motion sensor!

3. DoubleClick:

DoubleClick means activating the sensor by two movements in front of the sensor within a defined period of time.

Switching on DoubleClick:

Slide the switch DoubleClick (C) in the direction of the marking (•) .

Switching off DoubleClick:

Slide the switch DoubleClick (C) to the unmarked position.

Factory setting: DoubleClick off

4. Function:

As soon as a hand appears in the detection area (A), the sensor is activated and lights up blue.

If DoubleClick is switched on, the sensor lights up **bright** blue for approx. one second as soon as the hand moves through the detection area (A). During this period, move the hand through the detection area a second time to activate the sensor.

5. Functional properties of laboratory gas burners:

- Flame 100 and Gasprofi 1 micro school edition:

The flame activates as soon as the external motion sensor is activated.

The flame stops when the detection area (A) of the sensor is exited.

- Fuego and Gasprofi 1 micro:

The external motion sensor can only be operated in Pedal Standard mode and Pedal Start-Stop mode.

- Operating mode Pedal Standard:

The flame activates as soon as the external motion sensor is activated.

The flame stops when the detection area (A) of the sensor is exited.

- Operating mode Pedal Start-Stop:

The flame activates as soon as the external motion sensor is activated.

To stop the flame, the sensor must **again** be activated!

CAUTION: If DoubleClick is switched on, it is again essential to make two movements in front of the external motion sensor to deactivate the flame!

It is NOT recommended to operate the sensor in Pedal Start-Stop mode while DoubleClick is switched on!

6. Setting the detection area:

The detection range (A) of the IR-sensor can be varied by turning the screw (B) to suit all requirements.

Turning the screw to the left reduces the detection range, while turning it to the right extends the range.

Check the detection area after every 1-2 turns and where necessary continue turning until the required distance has been set.

NOTE: It is possible to set the sensor range to 0 mm or to more than 50 mm. However, the motion sensor may no longer be accurate in this case.

7. Warranty:

This product is covered under our two-year manufacturer warranty against any manufacture defects in material and workmanship. The WLD-TEC warranty guarantees all external motion sensors under normal usage conditions and does not cover any damages as a direct result of user misuse or/and abuse. The warranty is void upon any unauthorized servicing, disassembly or modifications.