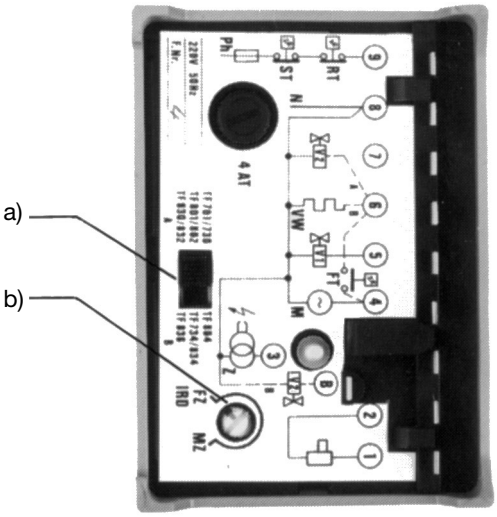
Burner testing device

The indispensable aid for the oil burner fitter. Complete burners, as well as individual components, can be tested in a most simple manner. The flame signal can be checked at a glance by means of a LED luminous band. Photo current values for the individual automatic oil burner controls can be forgotten.



FIELD OF APPLICATION

With the help of the burner testing device UP 940, oil burners can be commissioned, tested and adjusted without any problems. The burner testing device UP 940 is hereby plugged onto the control device base in place of any Satronic automatic burner control of the TF 700, 800 and MMD range. Despite the possibility of controlling the burner manually, the built-in flame monitoring ensures complete safety against operating mistakes.

TECHNICAL APPLICATION CHARACTERISTICS

- A built-in flame monitoring system protects against wrong manipulations and dangerous operating conditions.
- Flame signal indication by means of a 8-stage LED luminous band.
- 5 test switches for the individual burner components.
- Changeover switches for various types of flame detectors.
- Changeover switch with - or without oil pre-heating.
- Interchangeable fine protection fuse.
- Signal lamps for control thermostat and pre-heater release.

COMMISSIONING AND SERVICE / MAINTENANCE

1. Important Remarks

- Put both operating mode selector switches underneath the device into the correct position.
  a) Adjust the slide switch to correspond to the type of automatic burner control mounted on the burner.
  b) Set the position of the rotary switch to correspond to the type of flame detector used.
- Ensure that the burner is not under voltage and remove the automatic control unit.

Important

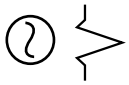
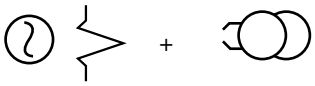
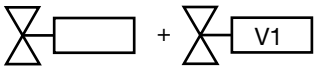
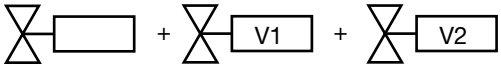
- The flame detector remains in the burner!
- Plug on the burner test device UP 940 with all selector switches correctly set. All toggle switches on the front panel on "0", i.e., toggle position to the left.
- Main switch / control thermostat "ON". The signal lamp on top indicates that the burner is under voltage. Before the UP 940 is removed, it must always be ensured that the burner is not under voltage!

Attention

The UP 940 is not a safety control box! It may only be used by experienced personnel under continuous supervision!

2. Individual testing of the burner components

For testing individual burner components, the following switches have to be actuated:

Burner component		Switch
- Motor / pre-heater		
- Ignition		
- Valve 1	test	
- Valves 1 + 2	test	

3. Functional check of burner

Commissioning by actuating the switches in the following sequence:
- Motor / pre-heater
- Valve 1
- Ignition
- Valve 2 (if present)

4. Checking the illumination level

After the burner has been commissioned, the LED luminous band has to be above the OK mark.

This setting ensures a sufficient reserve of light before the automatic burner control triggers a dark message.

To be observed

- Oil release is only possible in conjunction with ignition.
- Open position of the valve(s) after switching off the ignition only when a flame is present.
- Even a brief darkening of the flame detector results in an interruption of the oil supply. Re-starting only in conjunction with ignition.

ORDERING INFORMATION

ITEM	DESIGNATION	ITEM NO.
Burner testing device	UP 940	18606

The above ordering information refers to the standard version.
Special versions are also included in our product range.

Specifications subject to change without notice.

Satronic AG
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