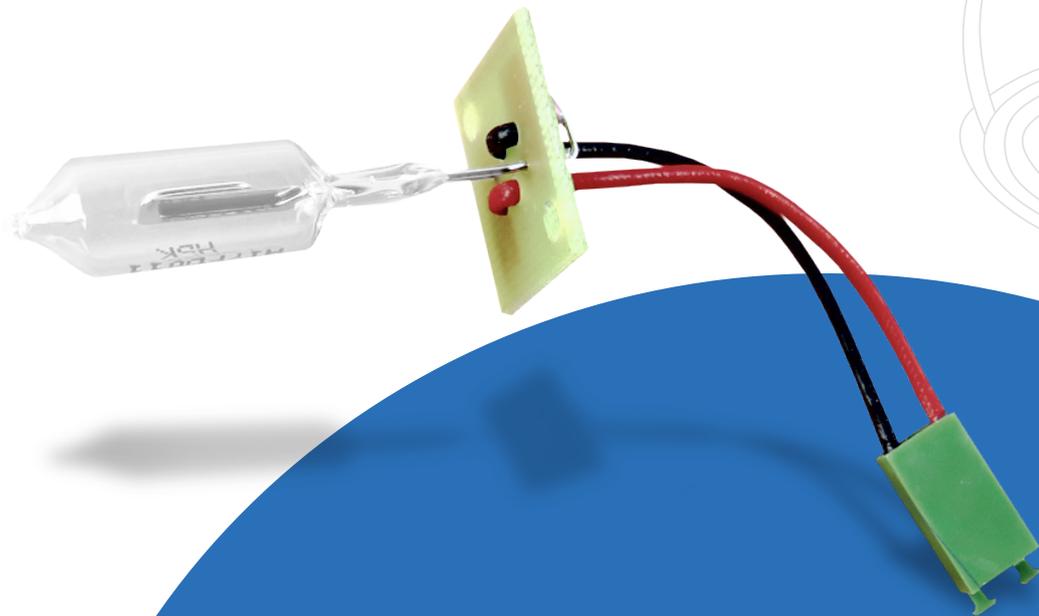


UV tube replacement for **Compact Flame Controller** **CFC100**

Assembly and disassembly instructions



1 | General

The measuring principle of the CFC100 Compact Flame Controller series is based on a UV tube which is subject to a natural ageing process. To replace the UV tube module of the Compact Flame Controller, the steps described below must be followed.

1.1 Liability disclaimer

All technical information, data and guidance on device operation that are contained within these operating instructions are, to the best of our knowledge, correct at the time of printing, taking into account our present understanding and experience.

We reserve the right to make technical changes with respect to the further development of the flame detector outlined in these operating instructions. No claims can be made based on the specifications, illustrations and descriptions of these operating instructions.

We shall not be liable for damage or operating malfunctions that result from operating errors, inappropriate repairs or the non-observance of the operating instructions. We expressly state that only original spare parts and accessories approved by us may be used. This also applies to the components of other manufacturers that have been used.

The installation or use of non-approved spare and accessory parts and any unauthorized retrofits and modifications are not permitted for safety reasons and exclude any liability by BFI Automation for consequential damages.

BFI Automation is liable for possible errors or omissions with the exclusion of additional claims entered into in the framework of the warranty obligations conceded to in the contract. Claims for damages, on whatever legal basis they may be, shall be excluded.

Translations into foreign languages are carried out in good faith. We cannot accept any liability for translation errors; this also applies where the translation has been carried out or has been commissioned by us. The original text alone shall be binding.

Descriptions and illustrations do not necessarily depict the delivered product or a possible spare parts order. Drawings and graphics are not to scale.

1.2 Warranty

Read these operating instructions carefully and in full before operating the Compact Flame Controller!

The manufacturer is not liable for damage or operating malfunctions that result from the operating instructions not being observed.

The operating company has to supplement the operating instructions with operating instructions on the basis of national regulations on accident prevention and environmental protection, including information on supervision and notification requirements with respect to special operating circumstances, e.g. regarding organisation of work, working processes and staff deployed.

The recognised technical rules for safe and professional working also have to be observed in addition to the operating instructions and the regulations on accident prevention applicable to the country and place of use.

The warranty shall become void, for example, in the event of:

- inappropriate use
- use of impermissible equipment
- incorrect connection
- prior works that are not part of the supplied product or service
- non-use of original spares and accessories
- conversion, if this has not been approved by BFI Automation
- non-performance of specified maintenance work

NOTICE

It is recommended that the operator of the device concludes a service contract with BFI Automation. This guarantees that the device is regularly checked by our service staff and ensures that any required wearing and spare parts are available without long delivery periods.

NOTICE

The UV tube is a wearing part whose service life depends on various factors that BFI Automation cannot influence. Therefore, BFI Automation does not provide any warranty on the service life of UV tubes.

NOTICE

This warranty does not apply to shipping damage, broken glass of the lens (photocell / UV tube) or any other damage caused by unskilled handling, improper or inadequate maintenance setting.

2 | Safety instructions

The UV tube is an essential component of the UV compact flame detector series IFx. It is essential to replace individual components with original spare parts from BFI Automation, otherwise safe operation cannot be guaranteed.

1.2 Warning notes

The following warning notes are used in these operating instructions:

DANGER

This warning level indicates an imminent hazardous situation.

If the hazardous situation is not prevented, this will result in death or severe injury.

Follow the instructions that accompany this warning to prevent the risk of death and severe personal injury.

WARNING

This warning level indicates a potentially hazardous situation.

If the hazardous situation is not prevented, this may result in death or severe injury.

Follow the instructions that accompany this warning to prevent the potential risk of death and severe personal injury.

CAUTION

This warning level indicates a potentially hazardous situation. If the hazardous situation is not prevented, this may result in slight or moderate injuries. Follow the instructions that accompany this warning to prevent the injury of persons.

CAUTION

This warning level indicates potential damage to property. If this situation is not prevented, it may result in damage to property. Follow the instructions that accompany this warning to prevent damage to property.

NOTICE

A notice indicates additional information that will make the handling of the device easier.

3 | Removal and installation of the UV tube module

NOTICE

The UV tube is an essential component of Compact Flame Controller of the CFC100 series. It is essential to replace individual components with original spare parts from BFI Automation, as otherwise safe operation cannot be guaranteed. Replacement may only be carried out by the manufacturer or a company authorised by the manufacturer.

CAUTION

The UV tube is a very delicate component. The following instructions must be followed to avoid damage.

Do not touch the glass body of the UV tube with bare fingers.

The UV tube is sensitive to impact. Avoid shocks of any kind.

DANGER

When working on the unit, make sure to disconnect it from the power supply.

To change the UV tube on the CFC100, the device must be opened. Then loosen the two plastic screws that can be seen in Figure 1 and disconnect the plug connection to the circuit board. The UV tube module board can now be pulled backwards.

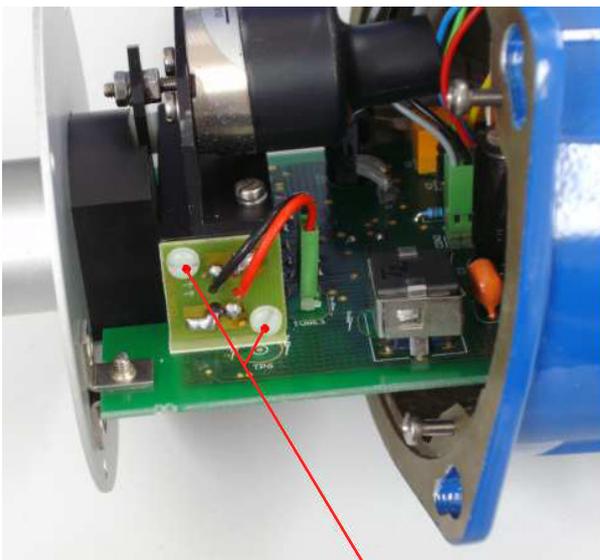


Fig. 1

Loosen plastic screw



Fig. 2

Disconnect plug connection

Now the new UV tube module can be used. It is important to ensure that the UV tube is installed correctly. The spiral of the UV tube must be visible when looking into the lens sheet.



Fig. 3

The circuit board on which the UV tube is attached must then be reattached with the plastic screws and the plug connection must be established. Please pay attention to the correct polarity of the plug connection (see Figures 1 and 2).

NOTICE

After completing the work, check the function of the flame detector in accordance with the relevant operating instructions.

4 | Order data

Type

Order-No.

CFC100 UV tube module

5010-0100-10

Disposal information

The UV tube module is equipped with electrical and electronic components and must be disposed of separately from household waste. Observe the local and current regulations for waste disposal.

