

INSTRUCTIONS FOR FIRMWARE UPDATES

“ULTRA” and “MC” Line

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1. ULTRA Line update firmware

1.1 - File preparing to update



WARNING

- ❑ Verify the relay model and version to update with the procedure.
- ❑ Connect the protection relay to the Personal Computer with the RS232 cable.
- ❑ Copy the file for updating in a temporary directory, example : C:\temp
Note: the directory must be write enabled.

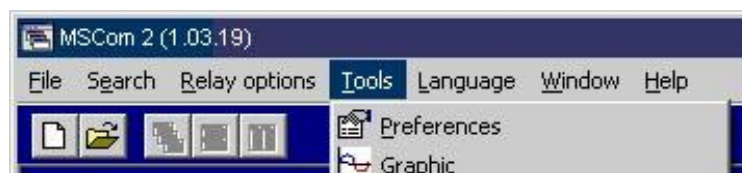


WARNING

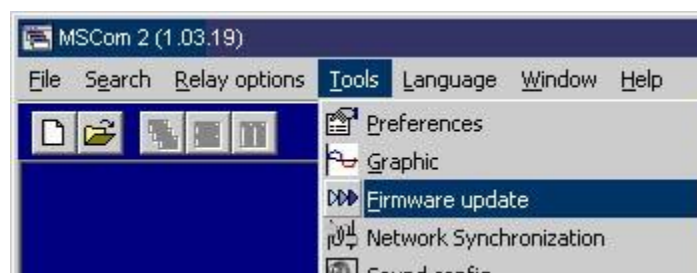
- ❑ **The previous settings will be lost and must be rewrited after the update procedure.**
- ❑ Close all the active applications.
- ❑ Start the MSCom2 program.

1.2 - Firmware update

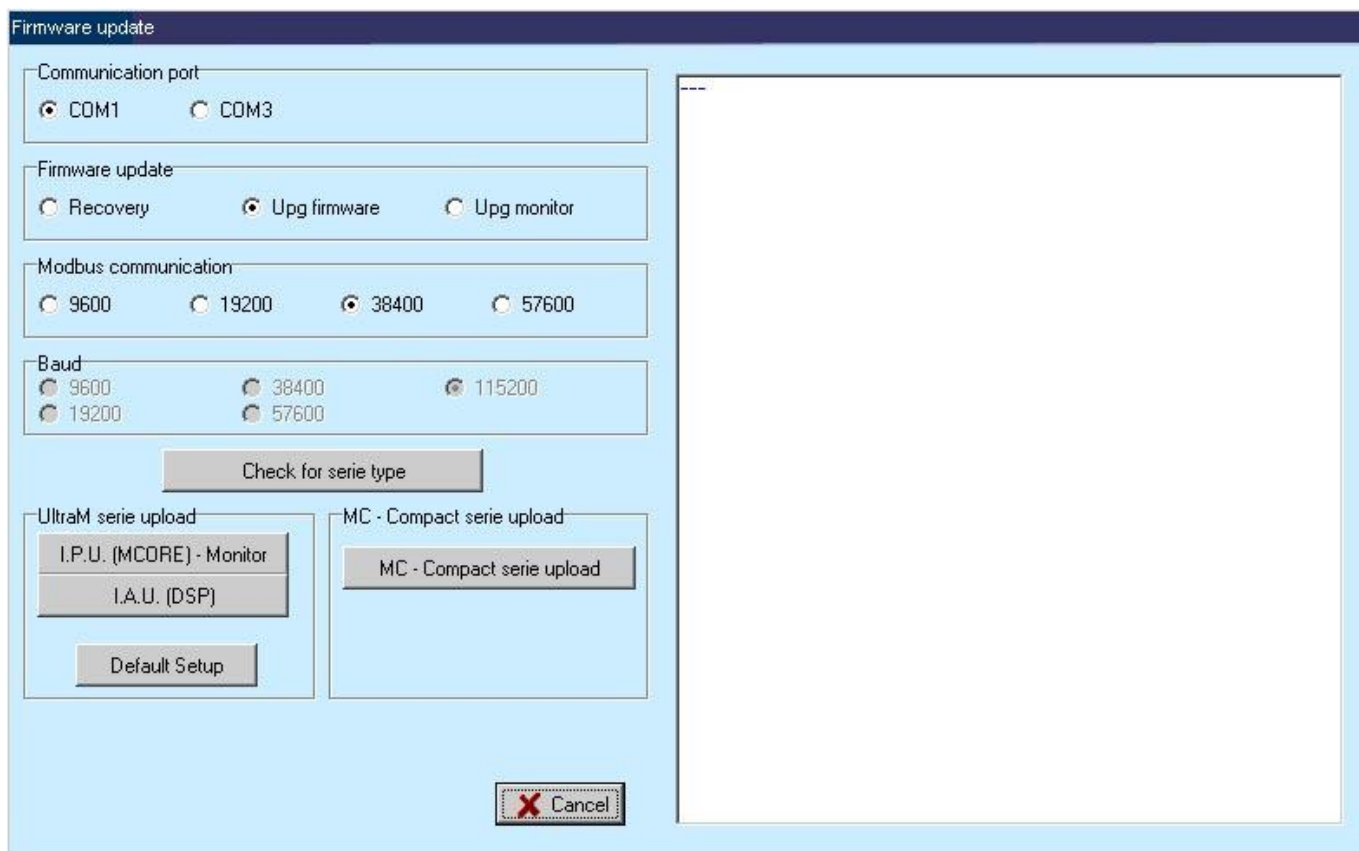
- ❑ Select "Tools" from main menu



- ❑ Select "Firmware update".

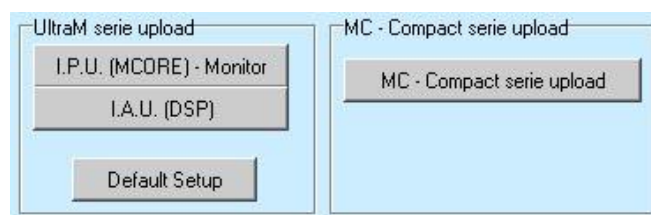


- ☐ Will be displayed :



1. Select the communication COM port
2. Select "Upg. Firmware"
3. Select "Modbus communication" speed according to the Local serial port set in the relay. (see relay operation manual)

- ❑ - Select "I.P.U. (MCORE) - Monitor".



- ❑ Will be displayed a warning message; Please read it and Select "OK"

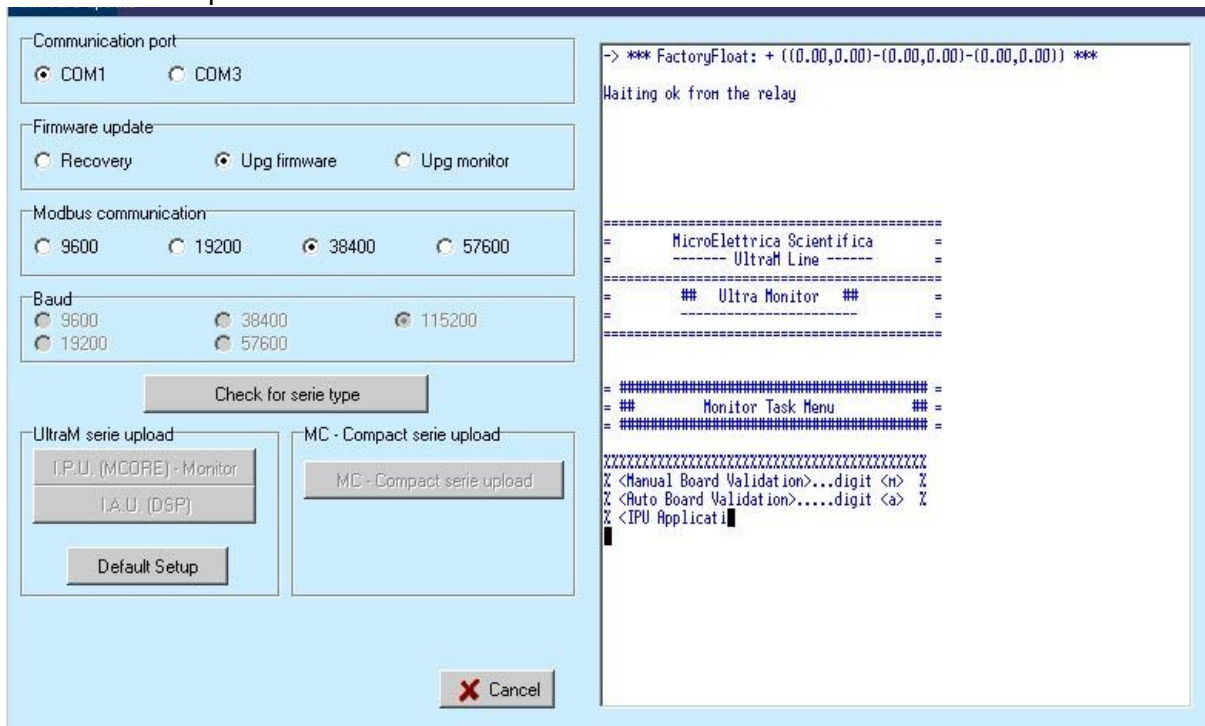


- ❑ After the request for the file selection:
 - Select the file for the update.
 - Select "Open"

- ❑ - Insert the Modbus node address of the relay to update.
- Select "OK"



□ Firmware update window.



Communication port
☒ COM1 ☐ COM3

Firmware update
☐ Recovery ☒ Upg firmware ☐ Upg monitor

Modbus communication
☐ 9600 ☐ 19200 ☒ 38400 ☐ 57600

Baud
☐ 9600 ☐ 38400 ☒ 115200
☐ 19200 ☐ 57600

Check for serie type

UltraM serie upload

MC - Compact serie upload

Cancel

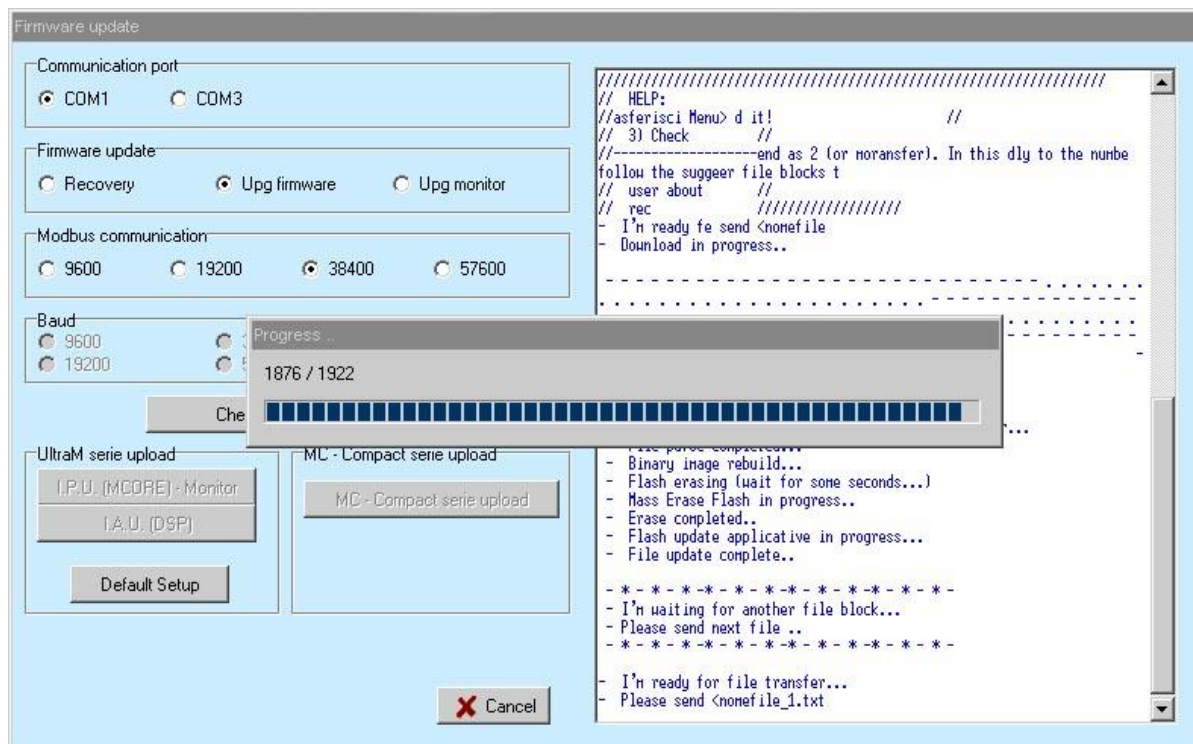
```

-> *** FactoryFloat: + ((0.00,0.00)-(0.00,0.00)-(0.00,0.00)) ***
Waiting ok from the relay

=====
MicroElettrica Scientifica
----- UltraM Line -----
=====
## Ultra Monitor ##
=====

=====
## Monitor Task Menu ##
=====

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X <Manual Board Validation>...digit <n> X
X <Auto Board Validation>.....digit <a> X
X <IPU Applicati
  
```



Firmware update

Communication port
☒ COM1 ☐ COM3

Firmware update
☐ Recovery ☒ Upg firmware ☐ Upg monitor

Modbus communication
☐ 9600 ☐ 19200 ☒ 38400 ☐ 57600

Baud
☐ 9600 ☐ 38400 ☒ 115200
☐ 19200 ☐ 57600

Check for serie type

UltraM serie upload

MC - Compact serie upload

Cancel

Progress ..
1876 / 1922

```

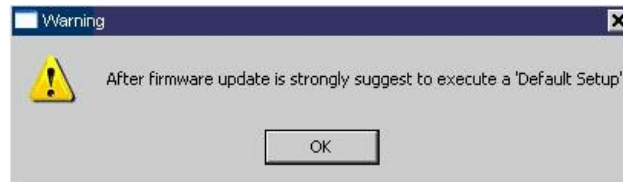
////////////////////////////////////
// HELP:
// asterisci Menu> d it!
// 3) Check
// -----end as 2 (or moransfer). In this dly to the nunbe
follow the suggeer file blocks t
// user about
// rec
// I'm ready fe send <nonefile
// Download in progress..

- Binary image rebuild...
- Flash erasing (wait for some seconds...)
- Mass Erase Flash in progress..
- Erase completed..
- Flash update applicative in progress...
- File update complete..

- * - * - * - * - * - * - * - * - * -
- I'm waiting for another file block...
- Please send next file ..
- * - * - * - * - * - * - * - * - * -

- I'm ready for file transfer...
- Please send <nonefile_1.txt
  
```

- ❑ After update will be display a warning message :



- ❑ Select "OK" and the "Operation Terminated" message will be displayed.



- ❑ Select "OK" and wait the relay restart.

1.3 - Verify

- ❑ Verify on the "InfoProt" menu in the relay protection the model and new firmware version number are correct.

2. MC line firmware update

2.1 - File preparing to update



WARNING

- ❑ Verify the relay model and version to update with the procedure.
- ❑ Connect the protection relay to the Personal Computer with the RS232 cable.
- ❑ Copy the file for updating in a temporary directory, example : C:\temp
Note: the directory must be write enabled.

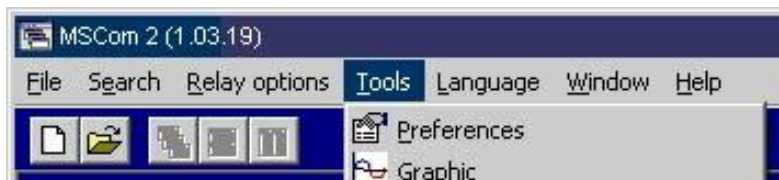


WARNING

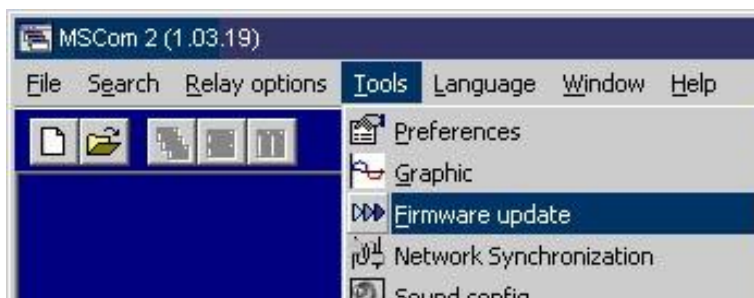
- ❑ **The previous settings will be lost and must be rewritten after the update procedure.**
- ❑ Close all the active applications.
- ❑ Start the MCom2 program.

2.2 - Firmware update

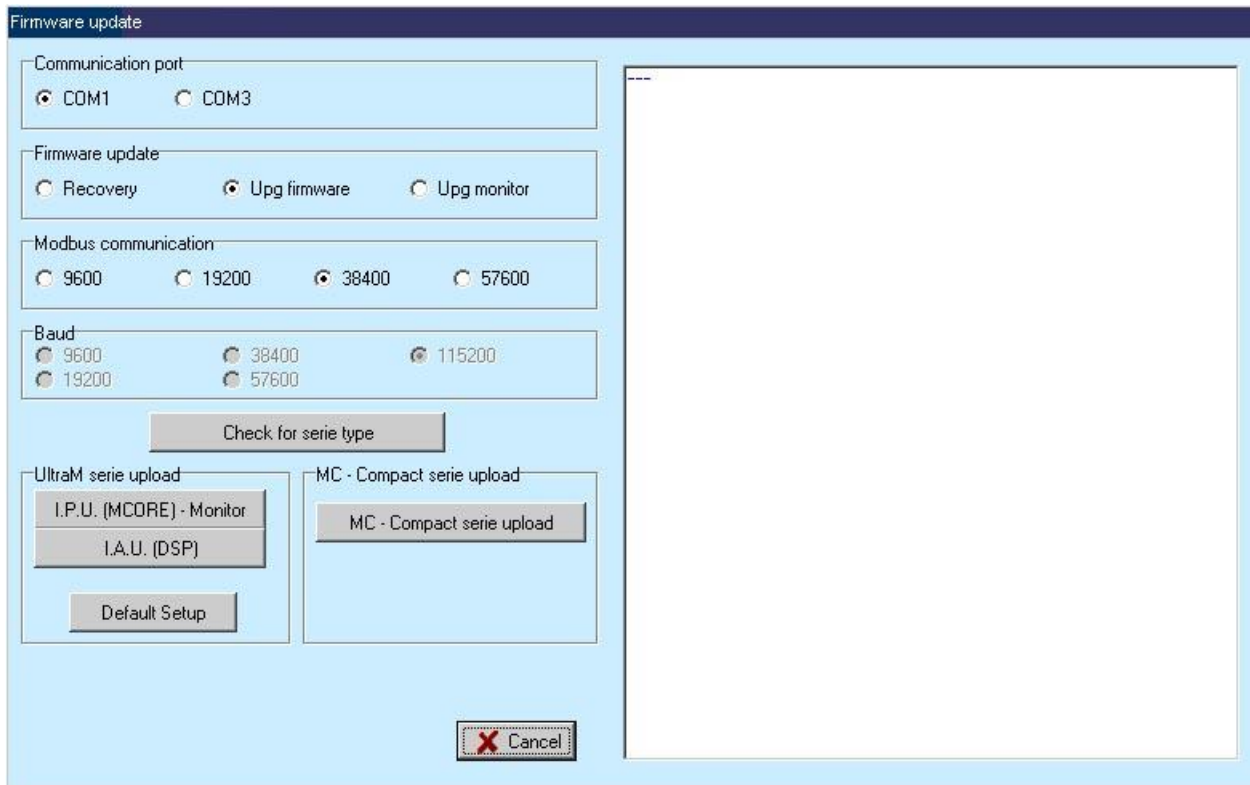
- ❑ Select "Tools" from main menu



- ❑ Select "Firmware update".

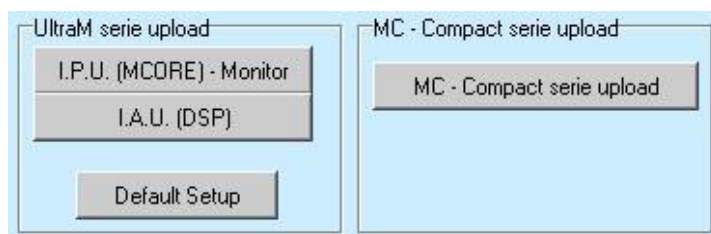


- Will be display :



1. Select the communication COM port
2. Select "Upg. Firmware"
3. Select "Modbus communication" speed according to the Local serial port set in the relay.
(see relay operation manual)

- - Select "MC - Compact – serie upload".

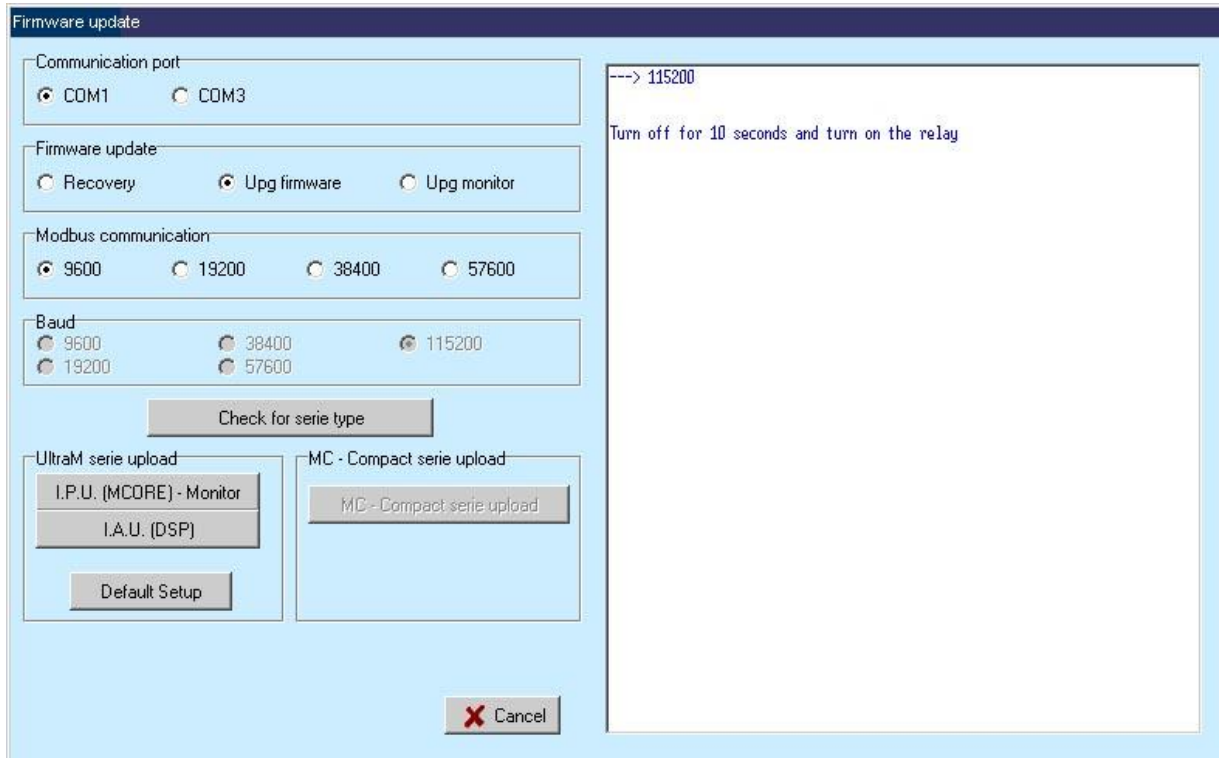


- ❑ Will be display a waring message, please read it and press "OK"

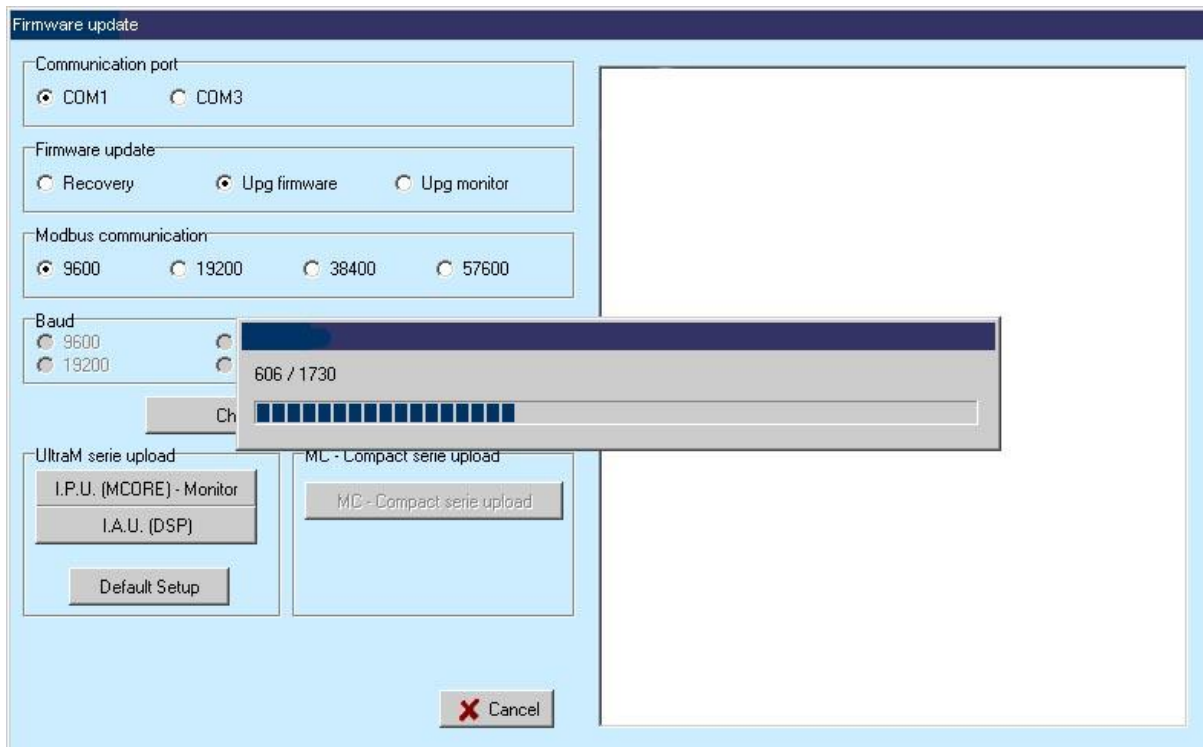


-
- ❑ After the request for the file selection:
 - Select the file for the update.
 - Press "Open"

- ❑ The firmware update window



- ❑ - Turn off the relay for minimum 10 seconds
- When you turn on the update firmware will start.
- Wait the update complete.



- Press "OK" when display the message confirm "Operation terminated"



- Please, turn off and on the relay.

2.3 - Verify

- Verify on the "InfoProt" menu in the relay protection the model and new firmware version number are correct.

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The performances and the characteristics reported in this manual are not binding and can modified at any moment without notice