

INSTRUCTIONS

USB INTERFACE

RIGHT FROM
THE START

AuCom
MOTOR CONTROL SPECIALISTS

Contents

1. Warnings.....	2
2. Important User Information.....	2
3. Introduction	2
4. Installation.....	3
5. Device Configuration	5
6. Specifications	7

Product Compatibility

This interface is suitable for use with AuCom CSX, EMX3 and MV soft starters.

Disclaimer

The examples and diagrams in this manual are included solely for illustrative purposes. The information contained in this manual is subject to change at any time and without prior notice. In no event will responsibility or liability be accepted for direct, indirect or consequential damages resulting from the use or application of this equipment.

© 2019 AuCom Electronics Ltd. All Rights Reserved.

1. Warnings



WARNING

For your safety, isolate the soft starter completely from mains voltage before attaching or removing accessories.



WARNING

Observe all necessary safety precautions when controlling the soft starter remotely. Alert personnel that machinery may start without warning.

2. Important User Information

It is the installer's responsibility to follow all instructions in this manual and to follow correct electrical practice.

3. Introduction

The USB Interface lets the soft starter connect to a PC, allowing the starter to be configured via dedicated management software.

These instructions detail the installation, set-up and configuration of the USB Interface. For details on using the management software, refer to the software help file.



NOTE

For WinMaster to communicate with a soft starter via the USB Interface, WinMaster must be configured to use the AP ASCII or AP Binary protocols.

4. Installation

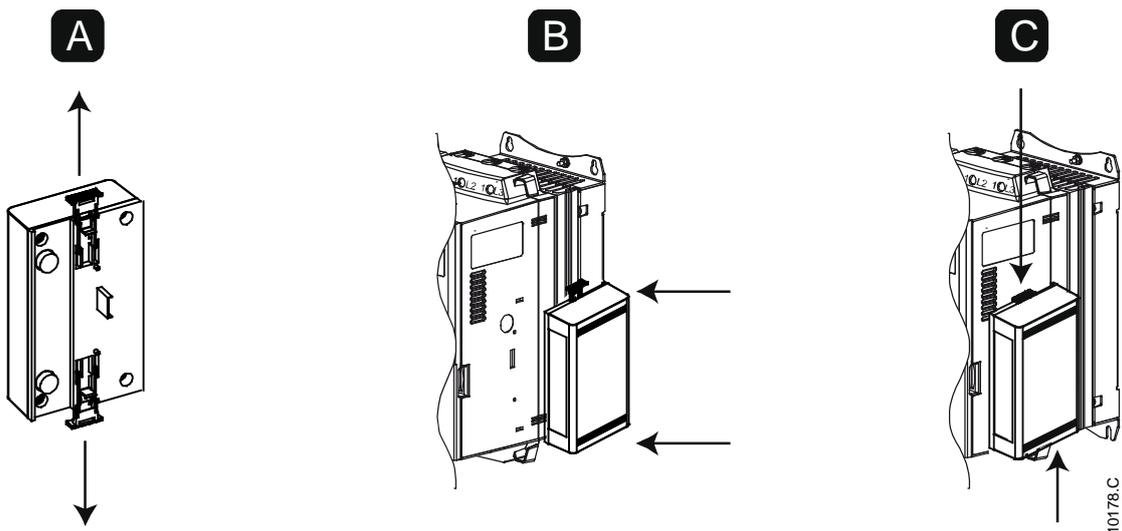


CAUTION

Remove mains and control voltage from the soft starter before attaching or removing accessories. Failure to do so may damage the equipment.

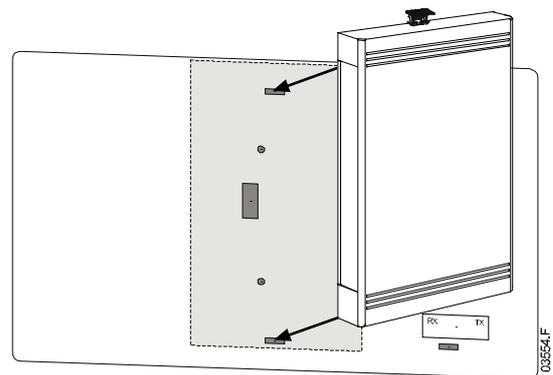
4.1 Installation Procedure

1. Remove control power and mains supply from the soft starter.
2. Fully pull out the top and bottom retaining clips on the interface. [A]
3. Line up the interface with the comms port slot. [B]
4. Push in the top and bottom retaining clips to secure the interface to the starter. [C]
5. Apply control power to the soft starter.



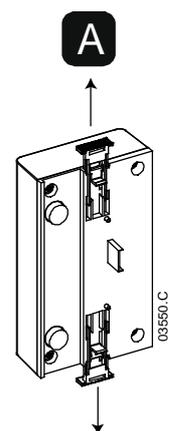
MV:

Plug the interface onto the back of the controller.



To remove the interface:

1. Remove control power and mains supply from the soft starter.
2. Take the interface off-line.
3. Disconnect all external wiring from the interface.
4. Fully pull out the top and bottom retaining clips on the interface. [A]
5. Pull the interface away from the soft starter.



4.2 Soft Starter Connection

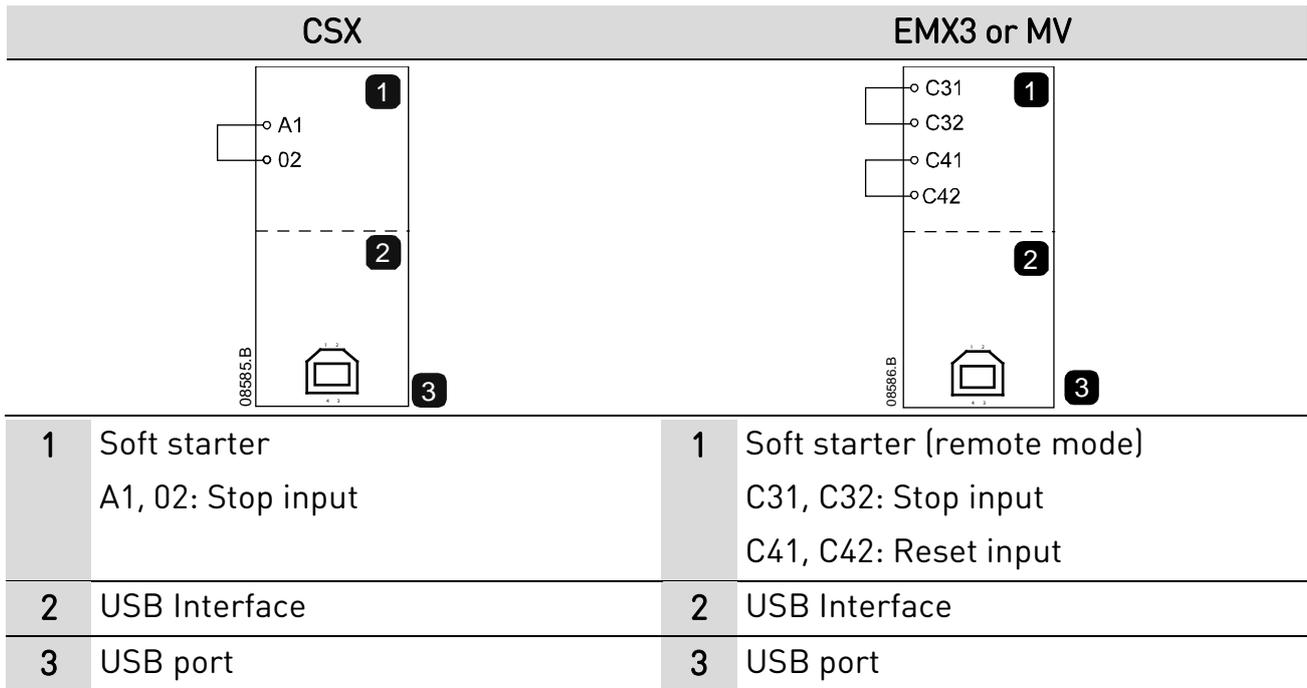
CSX: For the USB Interface to accept fieldbus commands, a link must be fitted across terminals A1-02 on the soft starter.

EMX3 and MV: Input links are required across the stop and reset inputs if the soft starter is being operated in Remote mode. In Local mode, links are not required.



NOTE

EMX3 and MV: Parameter *Comms in Remote* selects whether the soft starter will accept Start and Stop commands from the Serial Network Master while in Remote Mode. Refer to the soft starter user manual for parameter details.

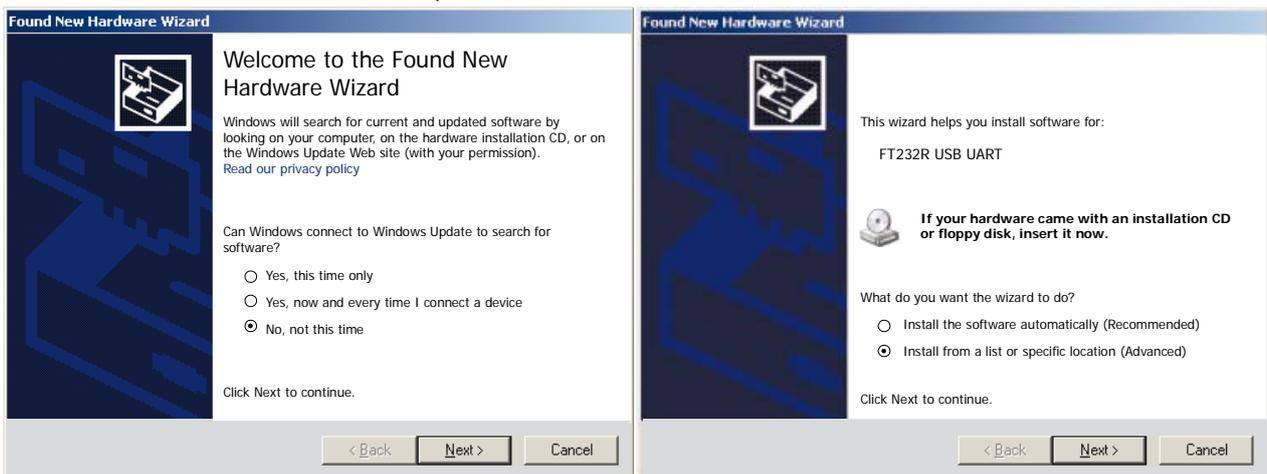


5. Device Configuration

The USB Interface requires a driver to operate correctly. Contact your local supplier for the latest version of the driver.

To bring the USB Interface on-line:

1. Remove control power and mains supply from the soft starter.
2. Attach the interface to the soft starter.
3. Connect the interface to the PC via a USB cable. The PC should detect the interface and the Hardware Update Wizard will open.
4. Install the USB driver to operate the interface as follows.



08588.A



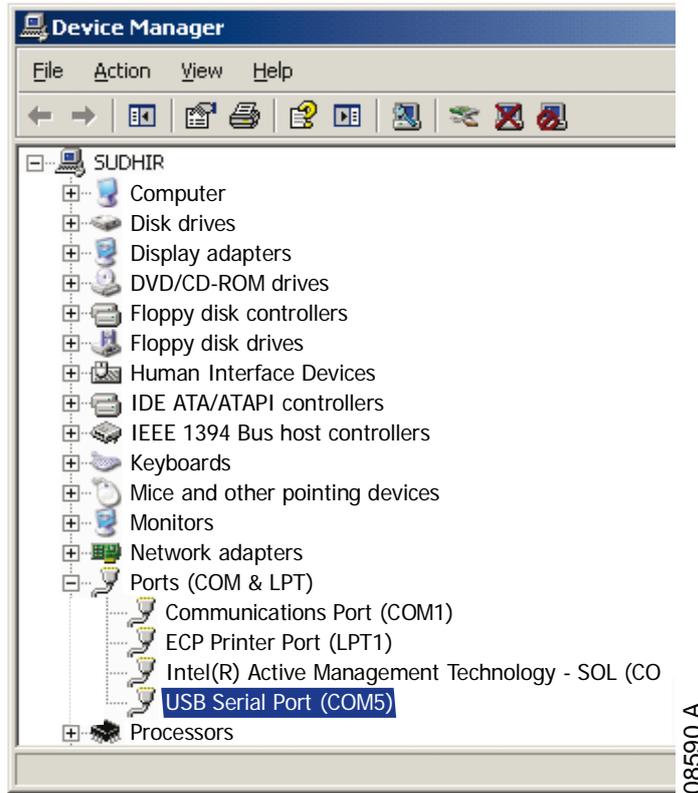
08589.A

Click on Ok, then Next. The software will install. If you see a prompt, click Continue Anyway. Once installation is complete, click Finish.

5. The PC will prompt you to install serial port driver software. Repeat the procedure in Step 4. You may need to restart your PC once the driver software is installed.

INSTRUCTIONS

- Identify the USB Serial Port assignment by checking Control panel > System > Hardware > Device Manager > Ports (COM & LPT).



NOTE

If the USB port is not shown, disconnect then reconnect the cable. If the problem persists, restart your PC.

- Open WinMaster and change the settings as follows:

Protocol: AP ASCII or AP Binary
Baud rate: 9600
Address: 20
Port: Use the serial port number identified above

- Apply control voltage to the soft starter and bring the Master on-line.



NOTE

The starter may trip on Starter Comms while the Master is off-line. Reset the soft starter and place the Master on-line.



NOTE

The drivers will configure the USB port that the interface is connected to. You must use the same physical USB port every time you connect the interface to the PC.

6. Specifications

- **Enclosure**

Dimensions	40 mm (W) x 166 mm (H) x 90 mm (D)
Weight	250 g
Protection	IP20

- **Mounting**

Spring-action plastic mounting clips (x 2)

- **Connections**

Soft starter	6-way pin assembly
Network	USB-B
Maximum cable length	3 metres (not supplied)

- **Settings**

Protocol	AP ASCII, AP Binary
Network address	20
Data rate (bps)	9600

