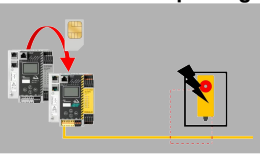
ASIMON360 Tips & Tricks: Replacing a defective device

Bihl+Wiedemann
THE AS-INTERFACE MASTERS

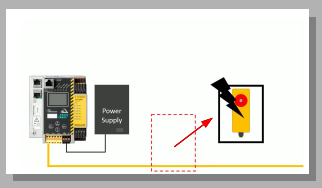
1 Possibilities of replacing a defective device



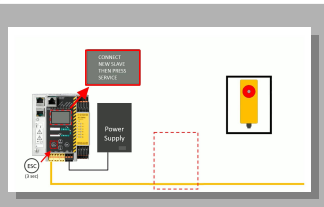
1.1 This Quick Start Guide describes how to replace the following devices from the ASi circuit:
- Defective safety slaves (section 2)
- Defective standard slaves (section 2)
- Defective slaves with a chip card (section 2)
- Defective Safety Basic Monitors (section 2)
- Defective safety monitors (section 3).

1.2 If the Safety Monitor is part of a Safe Link connection, teaching Safe Link is required (section 4). The steps have to de done at the gateway which has been defined as the group manager.

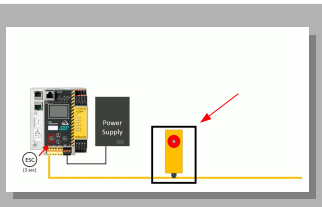
2 Replacement of a defective slave



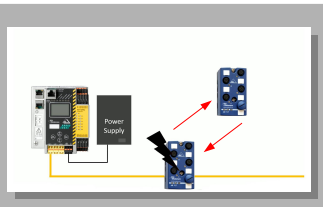
2.1 Note that the new slave must have the same profile and address as the defective slave. If the master is from Bihl+Wiedemann, a slave with address 0 can be used to replace the defective one. The proper address will be then given by the master. Remove the defective slave from the ASi circuit.



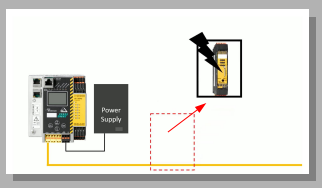
2.2 Push the "Service" button on the master for 3 seconds. A message indicating that the new slave can be connected will appear on the master's display.



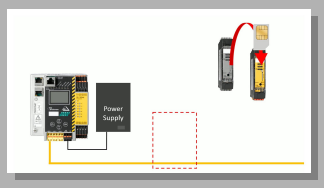
2.3 Connect the new slave to the ASi circuit. Note that the contacts on the slave must be closed. Afterwards press the "Service" button for 3 seconds again. The new slave is now ready for use. The procedure is the same for slaves that are connected to a Safety Basic Monitor, but in this case the "Set" button has to be pressed.



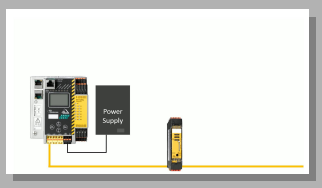
2.4 For replacing a standard slave without safe in- and outputs, remove the defective slave from the ASi circuit and connect the new slave. No further actions are required.



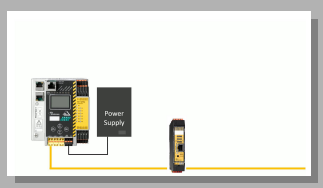
2.5 To replace a defective slave that contains a chip card, separate it from the ASi circuit.



2.6 Take the chip card out of the defective device and insert it into the new device.

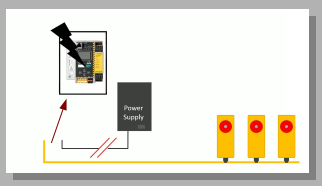


2.7 Connect the new slave to the ASi circuit.

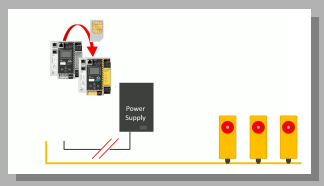


2.8 All slaves that contain a chip card, as well as Safety Basic Monitors, can be exchanged in the same way.

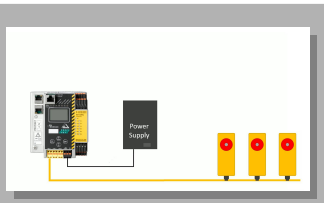
3 Replacement of a defective safety monitor



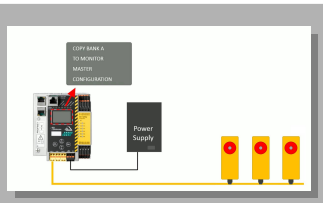
3.1 Disconnect the defective safety monitor from the power supply and the ASi network.



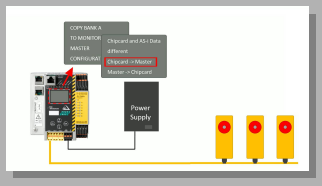
3.2 Take the chip card out of the defective master and insert it into the replacement device.



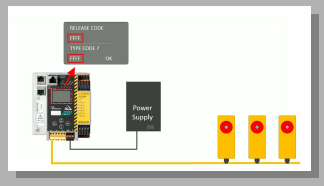
3.3 Connect the new monitor to the ASi network and to the power supply.



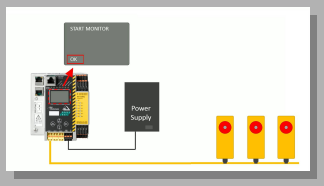
3.4 Follow the steps on display to copy the information from the chip card into the master.



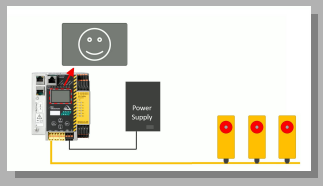
3.5 If asked in which direction the copying shall be started, select "Chipcard->Master".



3.6 Type the release code of the configuration. Confirm the release code.

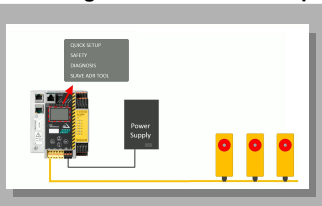


3.7 Confirm with "OK". Afterwards the safety monitor will be started.

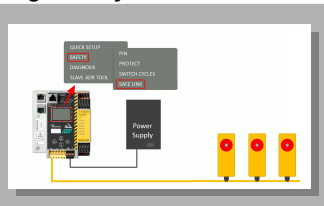


3.8 The replacement is now completed. The new safety monitor is ready for use. But if the master is part of a Safe Link connection it is necessary to teach in Safe Link at the group manager. (section 4)

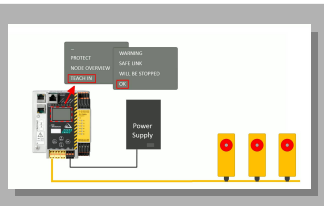
4 Teaching in Safe Link after replacing a safety monitor



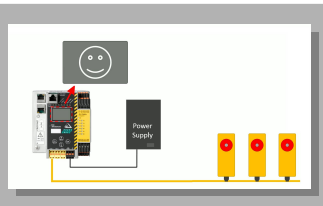
4.1 The teach-in of Safe Link has to be done at the group manager of the Safe Link connection. Press the "OK" button to open the display menu.



4.2 Go to “Safety” and select “Safe Link”.



4.3 Indicate the number of replaced nodes and click on "Teach in" to start. Click "OK" once complete.



4.4 The new safety monitor is ready for use.

5 Important Note!!

This document is intended solely as an aid for the users of safety monitored equipment. It does not relieve the user of responsibility for proper testing. Please refer to the safety instructions in the user manual.

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▶ There is a Video Tutorial available for this Quick Start Guide