

## MSI-s, MSI-sx

### Frequently Asked Questions

The MSI does not work (i.e. no LEDs are lit up)

- Check the supply voltage at terminal 4 (+24V) and terminal 9 (0V).

The system is not enabled when the start button is pressed and then released (i.e. the LEDs for locked, state and fault light up)

- Are the LEDs S1 & S2 on the MSI lit up green?

If the above LEDs are lit up green, the optoelectronic protective devices (AOPDs) are correctly wired.

If not, please have regard to the following points.

- Make sure that the optoelectronic protective devices are properly aligned.
- Check the wiring between the AOPDs and the MSI.  
Have you connected all remaining safety inputs with the corresponding test signal by means of bridges?
- Check the operating mode you have selected (with/without restart interlock, with/without relay monitoring) with the required cabling at terminal 13,14 of the MSI (pp. 11-13) and the corresponding DIP switch setting. e.g.
  - Operating mode with start/restart interlock and static relay monitoring
  - Terminal 13 via start button to +24V (no test bridge)
  - Terminal 14 via feedback contacts from K1 and K2 to 0V or bridge between terminal 14 and 0V
  - DIP switches DS3 down, DS2 up
- Please be aware that the start signal (+24V to terminal13) must be connected with zero voltage by way of a push-button switch or a relay.

Information on the LED Indicators

- The other LEDs indicate the operating state of the MSI. Please read the descriptions located in Section 3.4 in the operating instructions.

Using the Diagnostics Software

- Install the software on your PC/laptop.  
Required operating system: Windows 3.1 or higher.
- Start the MSI or apply supply voltage.
- Start up the software.
- Connect the PC with the MSI using the diagnostics cable.
- Click on Start in the Data Transmission menu.
- The MSI software automatically recognizes which type of MSI is being operated.