

 Kraftelektronik AB	USER'S GUIDE LavaLINE Inverter System	Document number 9-1605	Rev id C	Page 1 of 1
		Date 2003-02-27	Issued by ReK	App. by

Rev id	Revision	Date	Sign.
C	MCB designations changed	051214	ReK

The main parts of the LavaLINE system are described in the operator's manual. In addition to these parts the system also includes a manual bypass unit as well as MCB:s intended for protection or disconnection during maintenance. This guide describes the purpose and handling of the additional parts.

MCB:s

F1.1-F1.5 switches on/off the DC supply to the inverters and makes it possible to disconnect an inverter without shutting down the whole system.

F2-F3 act both as fuses and breakers for the electronic bypass unit. When maintaining the bypass unit the manual bypass switch must be switched to mains supply before the opening of these MCB:s.

F4 fuses the manoeuvre manual bypass switch and the indication of the electronic bypass unit state.

F5 fuses the DC supply to the controller and must **not** be switched off while system is in operation.

Starting the system

Make sure F1-F5 and the switches on the controller and all inverters are off.

Connect supplying AC and DC voltages and check the polarity. Then switch on F1-F5.

Switch on the controller. The display reads "System off".

Switch on all inverters. Start the system by pushing "Confirm". The procedure is described in detail in section 3.3.2 in the manual.

Manual bypass

The manual bypass switch is used to bypass the system during maintenance. Operation of the switch is allowed only when the electronic bypass unit is in bypass mode.

To bypass the system, proceed as follows:

1. Lock the electronic bypass unit in mains mode by means of the controller panel. Select "Setup" (Confirm), "Bypass mode" (Conf.), "Locked mains" (Conf.). Press Conf. again and then "X" twice until the start panel is shown and the lamp, indicating mains mode, is lit.
2. Turn the manual bypass switch to mains mode.
3. Switch off F2-F3.

Return to inverter mode:

1. Switch on F2-F3.
2. Make sure the controller indicates mains mode (plug symbol on the display).
3. Turn the manual bypass switch to normal mode.
4. Reset all alarms by pushing "X" repeatedly.
5. Restore the electronic bypass unit to inverter mode by means of the controller panel. Select "Setup" (Confirm), "Bypass mode" (Conf.), "Normal inverter" (Conf.). Press Conf. again and then "X" twice until the start panel is shown and the lamp, indicating inverter mode, is lit.