



MAN 652-OM3

F02 Local Interface Module

User's Manual

(Water proof version only)

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Note:

Biffi Italia has taken every care in collecting and verifying the documentation contained in this Instruction and Operating Manual.

The information herein contained is reserved property of Biffi Italia.

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1 OPTIONAL MODULE 3: LOCAL INTERFACE MODULE

1.1 MANUFACTURER

Manufacturer with respect to Machinery Directive 98/37: BIFFI ITALIA as specified on the motor label.


1.2 LOCAL INTERFACE FUNCTIONALITY


The OM3 LOCAL INTERFACE MODULE is supplied as an OPTION on BIFFI F02 actuators.


It is possible to receive the actuator already equipped with the OM3, if it ordered together with the basic version. Alternatively, it is possible to order the OM3 as a separate kit to be later installed on the basic actuator.


The **OM3** is an optional module allowing local control with the following additional functionalities:


- Selection of Local/Remote actuator control through the selector (lockable in both positions);
- OPEN/CLOSE command through the relative push-buttons;
- Actuator status local indication by means of 2 LEDs.

Warning: 	F02 actuator must be electrically isolated before all disassembling and reassembling operations. Before any disassembling or reassembling operations, please follow closely the relevant paragraph of the Basic Instruction and Operating Manual MAN 652 (latest revision available).
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Warning: 	The electronic parts of the F02 actuators and all optional modules can be damaged by a discharge of static electricity. Before you start, touch a grounded metal surface to discharge any static electricity.
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<p>Warning:</p> 	<p>F02 actuators can be operated through the PDA or PC with the following configuration:</p> <ul style="list-style-type: none">- Local selector in Remote;- Commands from PDA or PC have priority on remote commands. <p><u>When operating with Bluetooth™, the controls available via PDA or PC have priority on any other remote commands and allow full actuator operability at a distance also when the valve is not visible.</u></p> <p>Special attention must be paid under this condition to avoid any damages or injuries to people working close to the valve. BIFFI will not accept any responsibility for damages or injuries caused by an improper use of your Bluetooth™ PDA or PC.</p>
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<p>Warning:</p> 	<p>It is assumed that the installation, setting, commissioning, maintenance and repair works are carried out by qualified personnel and checked by responsible Specialists.</p>
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<p>Warning:</p> 	<p>Repair work, other than operations outlined in this manual, is strictly reserved to qualified BIFFI ITALIA personnel or to personnel authorized by the Company itself.</p>
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2 INSTALLATION

To assemble the OM3 local interface module onto the F02 actuator, proceed as follows:

a. Ensure that all the parts received with the OM3 are available (see Picture 1):

POS.	Description	Q.TY
1	Local Interface unit	1
2	"Ground kit" (1 Screw + 1 Toothed Washer)	1
3	Screws for Connecting Connector	4



Picture 1: OM3 kit for F02 actuator

b. Gather the right tools for the assembly (a 5 mm Allen key and a screwdriver, Picture 2);



Picture 2: Tools for installing OM3 kit

- c. With the Allen key loosen the 4 cover screws and remove the terminal board enclosure (see Picture 3), and then remove the 4 screws from the cover (see Picture 4). You will see the terminal board inside the actuator. The position of the connections is shown on the yellow label that you will find inside the cover just removed (see Picture 5):



Picture 3/3a: Removing Terminal Board Enclosure



Picture 4/4a: Removing Screws from Cover



Picture 5/5a: Electrical Connections

Warning:

