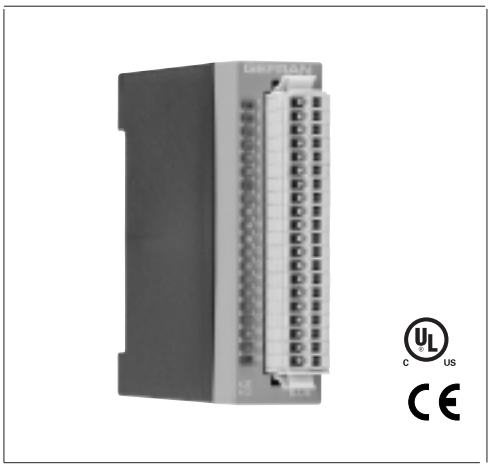
GEFRAN

R-U8

MODULE 8 OPTICALLY ISOLATED DIGITAL OUTPUTS



INSTALLATION AND OPERATION MANUAL

cod. **80123C** / Edit **04** - **08/09** - **ENG**

1 • MAIN FEATURES

- 8 3A max. outputs
- Max. load for module 15A
- Short-circuit and overload protection on all outputs
- Diagnostics LED for power supplies, outputs and alarm
- Power supply to 24VDC ± 25% outputs
- Removable connector supplied

2 • INSTALLATION AND CONNECTION

This section contains the instructions necessary for correct installation of the GILOGIK II into the machine control panel or the host system and for correct connection of the system power supply, inputs, outputs and interfaces.

Before proceeding with installation read the following warnings carefully!
Remember that lack of observation of these warnings could lead to problems of electrical safety and electromagnetic compatibility, as well as invalidating the warranty.

Qualified staff
the installation and use of the system and components are only reserved at qualified staff.

Conform use
the system and relative components are usable exclusively to the use previewed in the manual
In order to guarantee a correct and sure operation are indispensable that the product comes transported, stored correctly, installed, and controlled second the previewed modalities.
Suitable for use in pollution degree 2 environment.
Open type equipment.

Notes Concerning Electrical Safety and Electromagnetic Compatibility:

- **CE MARKING: EMC Conformity (electromagnetic compatibility)** in accordance with EEC Directive 2004/108/CE. The GILOGIK II system is mainly designed to operate in industrial environments, installed on the switchboards or control panels of productive process machines or plants.
  Norm of applicable product EN 61131-2.
  The Declaration of conformity is available on GEFRAN web: www.gefran.com
- UL listed standard: UL508 file E198546
- **BT Conformity (low tension)** in accordance with Directive LVD 2006/95/CE.
  Advice for Correct Installation for EMC

Inputs and outputs connection
- The externally connected circuits must be doubly isolated.
- To connect the analogue inputs the following is necessary:
  - physically separate the input cables from those of the power supply, the outputs and the power connections.
  - use woven and screened cables, with the screen earthed in one point only.

GEFRAN S.p.A. declines all responsibility for any damage to persons or property caused by tampering, neglect, improper use or any use which does not conform to the characteristics of the controller and to the indications given in these Instructions for Use.

3 • TECHNICAL DATA

- 8 optically isolated 24 VDC ± 25% digital outputs
- Organization: 4 groups of 2 outputs
- Maximum voltage of output power supply 32V
- Maximum current for output 3A
- Maximum current for group of 2 outputs 5A
- Maximum current for 8 outputs 15A
- Current protection for output > 3.2A.
- Isolation > 3KV
- Overvoltage on output for 1 ms max. 1KV
- Power supply via backplane R-BUS (x) 3.3V
- for UL: supply with class 2 device

Diagnostics
- Yellow LED presence 24V power supply
- Green LED for each output
- Red LED module in alarm

MECHANICAL DATA

Dimensions: 92x90x25.4mm

Weight: 120 g. max

Attachment: snaps onto R-BUS(x)

Protection level: IP20

Connector: 20 pin with spring-mounted lock

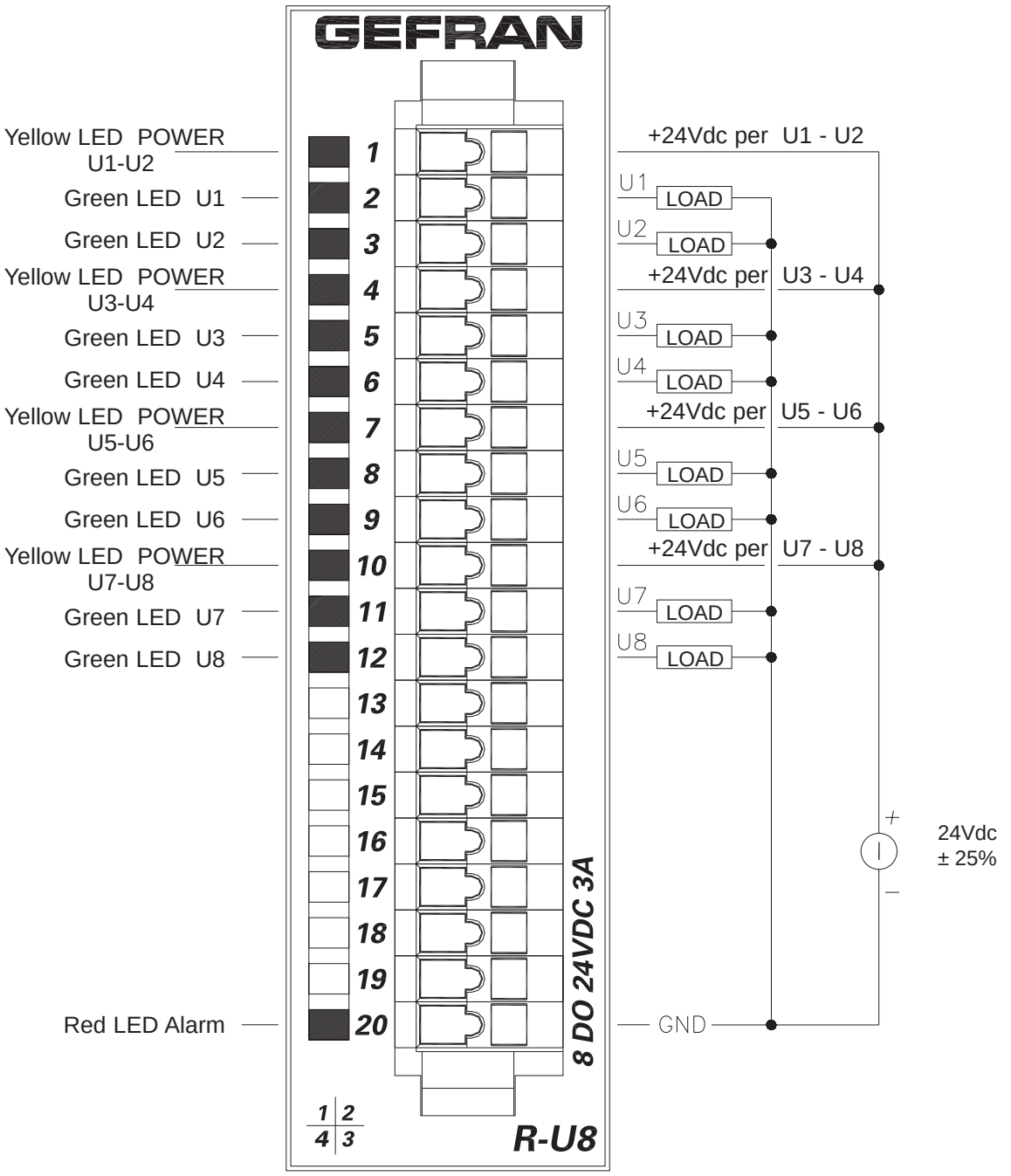
AMBIENT CONDITIONS

Working temperature: 0...50°C

Storage temperature: -20...70°C

Humidity: max. 90% Rh not condensing

For UL: Maximum surrounding air temperature 50°C



Front panel connections require:

- Power supplies 24 VDC ±15% 6A max.
- Outputs 24 VDC ±15% 3A max.

Use unipolar cable with 1.5 mm max. cross-section Do not apply lug.