



Main applications

- Plastics extrusion line and injection presses
- Thermoforming machines
- Rubber presses
- Packaging machines
- Packing machines
- Synthetic fiber polymerization and production plants
- Food processing plants

Main features

- Complete control of R-BUS(x) back plane
- Ethernet interface, Modbus protocol over TCP
- Power supply of backplane
- In Conformity with UL508

PROFILO

R-ETM100 is a Ethernet module with Modbus protocol over TCP.

It controls 100 Mbps communication with the operator terminal on one side and powers and controls the modules installed on the R-BUS(x) backplane on the other, acquiring data from all the I/Os.

It can control a maximum of 16 I/O modules.

The communication port has an RJ45 connector and two signal LEDs (link and data).

R-ETM100 is powered at 24 VDC via an extractable connector.

TECHNICAL DATA

Power supply

- 24 VDC $\pm 25\%$ 2A max., powers the entire GILOGIK II system
- polarity inversion protection

Ethernet

- standard RJ45 connection
- 16 position rotary switch for node identification on network configuration
- Standard IEEE802.3

Diagnostics

- power supply on (yellow POWER led)
- module in run / configuration (green RUN led)
- module or system in alarm / not configured (red FAIL led)
- yellow LINK led: network connected
- green DATA led: data transfer

MECHANICAL DATA

Dimensions: 92x90x25,4mm

Weight: 150g.

Fixing: snaps onto R-BUS(x)

Protection level: IP20

AMBIENT CONDITIONS

Working Temperature: 0...50°C

Storage Temperature: -20...70°C

Humidity: max. 90% Rh not condensing

FACEPLATE DESCRIPTION



Yellow POWER LED; ON = power on
 Green run LED + Red Fail LED; ON: reset system
 Green run LED; FLASHING (fast) = system is in Run, dialogue Modbus OK, I/O OK
 Green run LED; FLASHING (slow) = system is in Run, dialogue Modbus not OK or configuration not corrected
 Red Fail LED; FLASHING = system error, network parameters not corrected

Rotary switch to select the node number to be set during installation of the system and network.

Green DATA LED = FLASHING: system is transferring data
 Yellow LINK LED: ON = system is connected to network

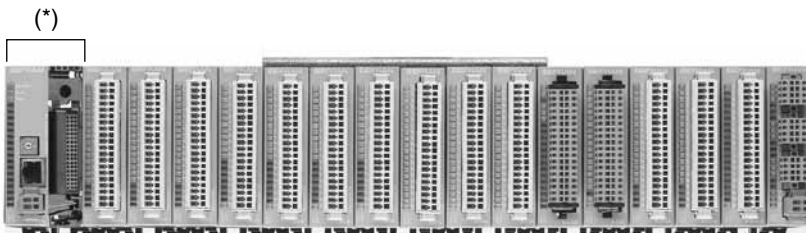
Connection for Ethernet: standard with model RJ45 connector.

Power supply terminals: 24V \pm 25% 2A max.

INSTALLATION AND CONNECTIONS

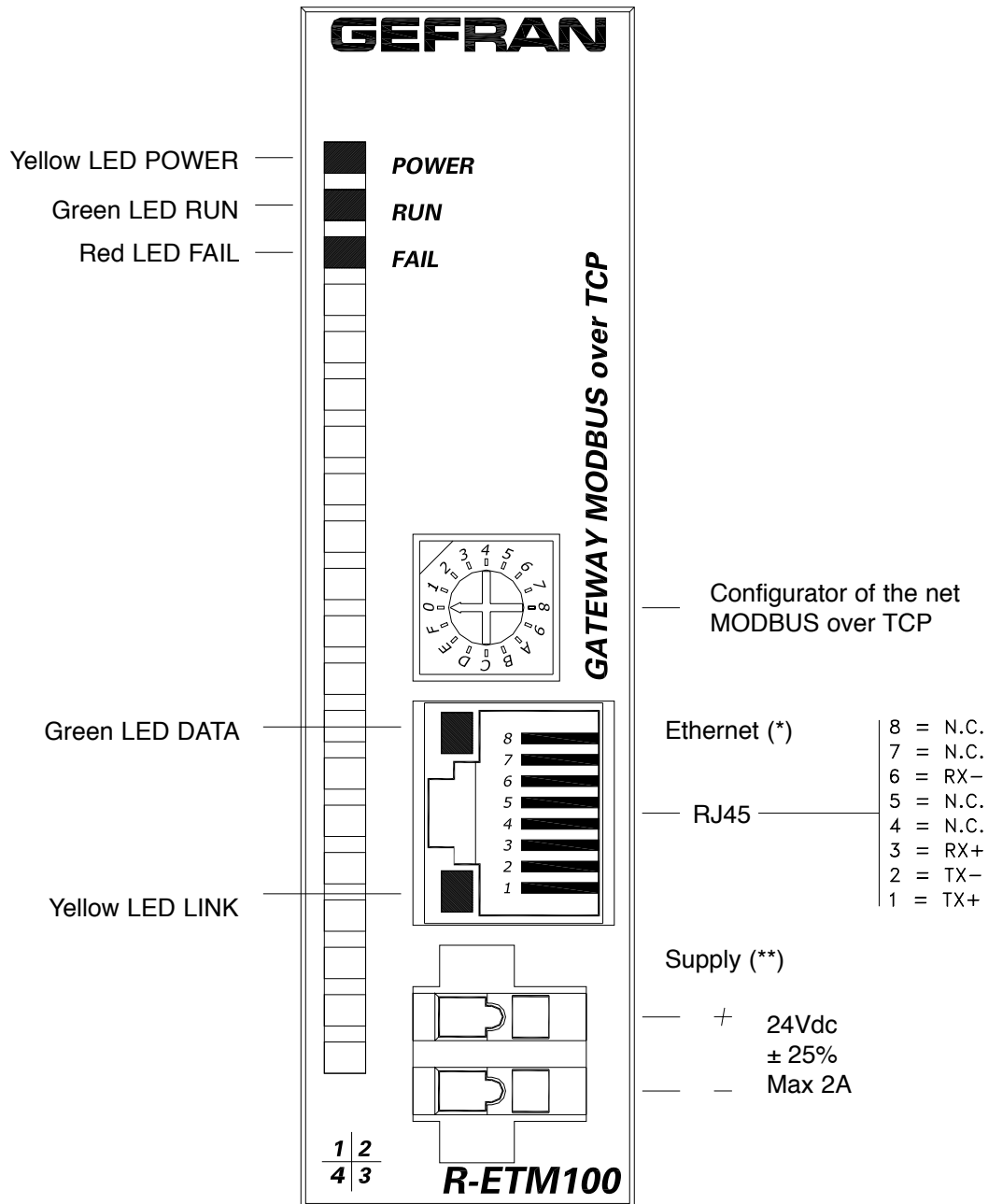


The module installs on R-BUS(x) in the first slot on the left if there is no R-SW5 module; in the second slot if there is an R-SW5 module.



(*) with the 18 position bus, positions 1, 2 are reserved to the R-ETM100 (or R-ETH100) and R-SW5 modules.

CONNECTIONS



(*) Use standard category 6 cable according to TIA/EIA-568A

(**) Use unipolar cable with 1-1.5mm cross section Do not attach a lug

ORDER CODE

module code **R-ETM100** **F032378** Code

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice

Conformity UL508 File no. E198546



The instrument conforms to the European Directives 2004/108/CE and 2006/95/CE with reference to the generic standards:
- **EN 61000-6-2** (immunity in industrial environments) - **EN 61000-6-3** (emission in residential environments) - **EN 61010-1** (safety)
- **EN 61161-2** (product standard). The Declaration of conformity is available on GEFTRAN web: www.gefran.com