## Main applications

- Timer
- Double timer
- Cyclic timer
- Counter
- Double counter
- Cyclic counter
- Revolution monitor
- Delay timer



## Main features

- Input from mechanical contact or Open Collector
- Start/Stop and Reset inputs from mechanical contact or AC voltage
- Configurable as Timer or Counter
- Five time bases, 1msec resolution
- Five ranges of counter prescaler
- Quartz timer


## GENERAL

The catalogues of timers and counters are often packed with different models and versions: the 550 offers one model for every application.
By limiting the number of faceplate keys to those strictly necessary, there is a larger space for the display.
The miniaturisation achieved with SMT reduces the dimensions and increases the reliability.
The microprocessor enables the required performance to be selected, by means of setting only three parameters (Typ, out, in.2) by following the configuration described later.
There are two settings SP1 and SP2, five time bases: from hundredths of a second to hours and minutes, five prescaler ranges for the counter.

## TECHNICAL DATA

## Inputs

2 inputs (IN1, IN2) with start/stop or reset function of the timer or counter, and counter input for frequencies up to 100 Hz .

## IN1

From voltage free contacts, open collector $(24 \mathrm{Vdc} / 1 \mathrm{~mA})$ or in Vac (at the same voltage as the instrument supply).

## IN2

Available only if IN1 is not in Vac, for voltage free contact or open collector $(24 \mathrm{Vdc} / 1 \mathrm{~mA})$, active either when closed or when open.

## Outputs

## Relay

$5 \mathrm{~A} / 250 \mathrm{Vac}$ at $\cos \varphi=1(3,5 \mathrm{~A}$ at $\cos \varphi=0,4)$
Spark suppression on the NO contact.
Power Supply
110/220Vac $\pm 10 \%$
$120 / 240 \mathrm{Vac} \pm 10 \%$
$24 / 48 \mathrm{Vac} \pm 10 \%$
$24 \mathrm{Vdc} \pm 10 \%$
50/60Hz; 5VA max.

## Ambient Conditions

Working temperature: $0 . . .50^{\circ} \mathrm{C}$ Storage temperature: $-20 . . .70^{\circ} \mathrm{C}$ Humidity: 20...85\%Ur non condensing

## Functionality

Timer / Counter functions enclosed. Timing and counting are displayed as a count/down.

## Weight

240 g

## FACEPLATE DESCRIPTION



A - Main display,
digits h .14 mm , green LED
B - Function key
C - Lower key
D - Raise key
E - Output/input indication, green LED

IP54 faceplate protection



## DIMENSIONS AND CUT-OUT



Dimensions: $48 \times 48 \mathrm{~mm}$ ( $1 / 16$ DIN), depth 100 mm

## CONNECTION DIAGRAM



Apply user's manual warnings for a correct installation

## ORDER CODE



Please, contact GEFRAN sales people for the codes availability.

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice

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 environment) EN 61000-6-3 (emission in residential environment) EN 61010-1 (safety)

