

Product launch note

TFI-SERIES

Compact timing relays for building and factory automation

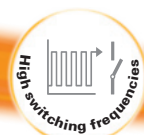
Timing relays fulfil many functions in industrial environments. In automation technology, they are used to compensate for errors caused by high clock rates. Timing relays extend short pulses so that downstream control components can reliably detect them.

Our new timing relay portfolio includes five different devices: Multifunction, star-delta switch, clock generator, on-delay, and off-delay. They cover the most critical applications in building and factory automation.



Your special advantages:

- **Simple configuration via rotary switches**
Timing functions and time ranges are configured utilising rotary switches on the front of the devices.
- **According to the requirements of EN 61812**
The devices comply in design and function with the international standard for timing relays according to EN 61812.
- **With cULus listing for USA and Canada**
All timing relays have a cULus listing for use in the North American market, without any problems.



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for more information

Let's connect.

Clock generator



General Data

Installation design	
Rated control voltage	12 - 240 V UC
Continuous current	8 A
Connection	screw connection
Contact type	1 changeover
Dimensions (W x H x D)	17.5 x 87 x 60 mm

Functions

Lp	Clock generator pause first
Li	Clock generator pulse first (with jumper A1-B1)

Status displays

LED green (U/t)	Flashes slowly when time t1 runs
	Flashes quickly when time t2 runs
	Lights permanently when supply voltage is applied
LED yellow (R)	Relay closed

Time ranges

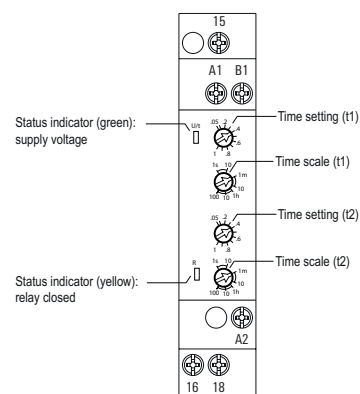
0.05 s - 1 s
0.5 s - 10 s
3 s - 60 s
30 s - 10 min
3 min - 1 h
30 min - 10 h
5 h - 100 h

Ordering Data

TFIS 12-240VUC 1CO CG

Order No.

2697260000



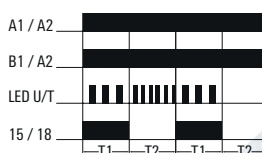
Lp Clock generator pause first



Clock generator pause first (Lp)

When the supply voltage U is applied, the set interval t1 begins. After the interval t1 has expired, the output relay R switches into on-position and the set interval t2 begins. After the interval t2 has expired, the output relay switches into off-position. The output relay is triggered at the ratio of the both set times until the supply voltage is interrupted.

Li Clock generator pulse first



Function Li with fixed jumper A1-B1

Clock generator pulse first (Li)

When the supply voltage U is applied, the output relay R switches into on-position and the set interval t1 begins. After the interval t1 has expired, the output relay switches into off-position and the set interval t2 begins. After the interval t2 has expired, the output relay switches into on-position. The output relay is triggered at the ratio of the both set times until the supply voltage is interrupted.



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