

Timers

Always up to the minute

The electronic relays are ideally suited for standard, monitoring and control tasks in order to control function processes down to the second. Depending on the application, multiple-voltage and multi-functional relays are available.

Decades of timer know-how are packed into a completely new, highly miniaturized generation of timers just 22.5 mm wide. Although the end of the timer has been being predicted for years now, as the PLC has spread, high quality timers with well thought-out designs and universal application will continue to be needed in industrial automation.



Timers remain crucial – in less complex series machines, in later modifications, everywhere where other solutions would result in unnecessary engineering and hardware costs. For these applications Wieland offers a range of timers that provides everything you need. These devices unite diverse features with an efficiency that permits the fullest profitability – from procurement and warehousing through application and operation, and finally to disposal.



Multiple-voltage ergonomic and mobile

flare TIME series of timer relays

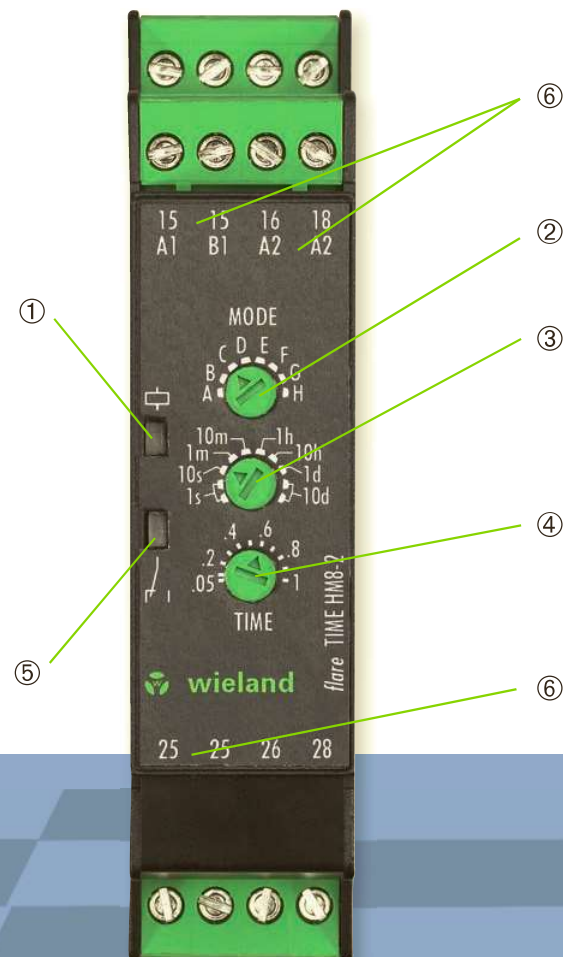
Our **flare** TIME family features universal application in the industrial automation sector. Up to 8 functions in just one relay cover all of your requirements and reduce inventory costs as well. Existing production processes can be easily expanded thanks to our **flare** TIME timer relay series, without incurring additional engineering and hardware costs. Our timer relays can be used in bakery machines, industrial washing machines, elevators and escalators, access controls and much more.

Features:

- Ambient temperatures from -25 °C to +60 °C
- Very high interference voltage resistance
- Output relays correspond to utilization category AC-15 and DC-13

The advantages:

- ① Power LED with progress display
- ② Function setting
- ③ Time range setting
- ④ Clear time setting
- ⑤ LED as status indicator of the change-over contact
- ⑥ Double connection points internally connected (HM series)



Electronic timer and switching relays for DIN rails

flare TIME M

- Multi-function timer
- Multi-range time
- Wide input voltage range 20.4 ... 264 V AC/DC
- 4 or 8 selectable time functions
- 1 or 2 change-over contacts 5 A



Type	Part No.
flare TIME M4-1 (4 time functions / 1 contact)	81.020.0000.0
flare TIME M4-2 (4 time functions / 2 contacts)	81.020.0001.0
flare TIME M8-1 (8 time functions / 1 contact)	81.020.0002.0
flare TIME M8-2 (8 time functions / 2 contacts)	81.020.0003.0
Technical data	
Input voltage range	20,4 ... 264 V AC/DC
Time range	0,1 s ... 1200 h
Time functions	4 or 8
Number of change-over contacts	1 or 2
Maximum switching current	5 A
Mechanical life time	10 x 10 ⁶
Electrical life time AC1	0,1 x 10 ⁶
Isolation voltage of input/output	2 kV
Connection clamps	Screw clamp
Wire range fine-stranded/solid	0,14 - 2,5 mm ² (AWG 26-14)
Degree of protection / mounting rail	IP 20 / TS 35 (EN60715)
Dimensions (mm) W x H x D	22,5 x 89,4 x 100
Operation temperature range	-20 ... +55 °C
Approvals	CE

flare TIME HM

- Multi-function timer
- Multi-range time
- Wide input voltage range 20.4 ... 264 V AC/DC
- 5 or 8 selectable time functions
- Pluggable clamps
- Wide temperature range
- 1/2 change-over contacts 5 A; HM8-2PS-A 1 delayed, 1 immediate changeover



Type	Part No.
flare TIME HM5-1-A (5 time functions / 1 contact)	81.020.0100.0
flare TIME HM8-2-A (8 time functions / 2 contacts)	81.020.0104.0
flare TIME HM8-2U-A (4 time- / 4 special functions / 2 contacts)	81.020.0105.0
flare TIME HM8-2P-A (with remote control connection)	81.020.0134.0
flare TIME HM8-2PS-A (with remote control connection)	81.020.0135.0
Technical data	
Input voltage range	20,4 ... 264 V AC/DC
Time range	0,05 s ... 240 h
Time functions	5 or 8
Number of change-over contacts	1 or 2
Maximum switching current	5 A
Mechanical life time	20 x 10 ⁶
Electrical life time AC1	0,1 x 10 ⁶
Isolation voltage of input/output	2 kV
Connection clamps	Pluggable screw clamp
Wire range fine-stranded/solid	0,2 - 2,5 mm ² (AWG 24-14)
Degree of protection / mounting rail	IP 20 / TS 35 (EN60715)
Dimensions (mm) W x H x D	22,5 x 96,5 x 91,5
Operation temperature range	-40 ... +60 °C
Approvals	CE

Accessoires	
Remote control	F0.000.0031.9

flare TIME TWIN-1

- Multi-range repeat cycle timer
- Multi-range time
- ON- or OFF-start settable
- Time ON and OFF separate adjustable
- Wide input voltage range 20.4 ... 264 V AC/DC
- 1 change-over contacts 5 A



Type	Part No.
flare TIME TWIN-1	81.020.0011.0
Technical data	
Input voltage range	20,4 ... 264 V AC/DC
Time range	0,1 s ... 1200 h
Time functions	ON- or OFF-start
Number of change-over contacts	1
Maximum switching current	5 A
Mechanical life time	10 x 10 ⁶
Electrical life time AC1	0,1 x 10 ⁶
Isolation voltage of input/output	2 kV
Connection clamps	Screw clamp
Wire range fine-stranded/solid	0,14 - 2,5 mm ² (AWG 26-14)
Degree of protection / mounting rail	IP 20 / TS 35 (EN60715)
Dimensions (mm) W x H x D	22,5 x 89,4 x 100
Operation temperature range	-20 ... +55 °C
Approvals	CE

