



**GTE Industrieelektronik**  
Product division control units

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## WST-18



### Compact Control Module

for high-speed gates, sliding gates  
machine protection gates, barriers,  
rolling gates, rolling grills, sectional  
gates, swing gates and folding gates

conforming with EN 12453 and EN 61508

# WST-18

WST-18 is a state of the art microprocessor control unit for operation of:

- high-speed gates
- sliding gates
- machine protection gates
- barriers
- rolling gates and grills
- sectional gates
- swing gates
- folding gates

Along with a substantial repertory of functions, one of the key benefits of WST-18-FU is its extremely simple and timesaving commissioning. Already a few seconds after engaging the end positions can be adjusted, whereupon the system is ready for operation. Connected limit switches, light barriers, sensing edges, wicket door switches, etc. are detected automatically and do not require an extra setup. All this keeps your setup costs at an absolute minimum.

All functions and paramameters of the system can easily be adjusted using the integrated functions menu. A spring-return button in combination with a digital display allows comfortable and quick adjustment. The menu is intuitional and modular. It automatically adapts to the components connected. During operation the display constantly gives information about the current system status. Among other things this greatly facilitates fault clearance.

In the matters of safety WST-18-FU is also ready to set standards. Conforming to EN 12453 und EN 61508, it provides all state of the art safety functions and more. This includes an integrated brake rectifier, whose separate purchase is spare when using WST-18-FU.

## WST-18 features:

- timesaving and easiest commissioning
- automatic detection of connected components
- intuitional and modular functions menu
- maximum safety standard (EN 12453 and EN 61508)
- integrated brake rectifier
- substantial repertory of functions (time / delay / forewarning functions, traffic light control, etc.)

## Basic configuration:

- automatic closing
- quick closing after crossing light barrier
- system diagnosis with error codes (display) and multiple input control LEDs on the circuit board
- cycle counter
- two integrated evaluations for connecting blocks
- support of cam limit switches as well as digital limit switches by *GfA-Gesellschaft für Antriebstechnik*
- two customizable relais
- support of one remote control
- free slot for additional I/O-modules

### Specifications:

Line voltage:	3 Ph 400 V/N/PE $\pm 10\%$ , 50/60 Hz (standard) 3 Ph 230 V/N/PE $\pm 10\%$ , 50/60 Hz 3 Ph 400 V/PE $\pm 10\%$ , 50/60 Hz 1 Ph 230 V/N/PE $\pm 10\%$ , 50/60 Hz
ext. fuse protection:	max. 10 A
max. power capacity:	1,1 KW acc. to standards (equipment 2,2 KW)
Control fuse:	1 A t
ext. power supply:	24 V DC, 150 mA, short-circuit-proof
Temperature range:	-10...+50°C
Moisture range:	max. 95%, non-condensing
Protective class:	in housing IP 55 - IP 65
Life time cycle:	max. 1.000.000 cycles
Housing dimensions:	250 mm $\times$ 175 mm $\times$ 75 mm



Version: 01/2009 Technical changes reserved!