



GTE Industrieelektronik
Product division control units

FST-75/150



Compact Control Unit with frequency converter

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 und EN 12978

FST-75/150

FST is a state of the art microprocessor control unit with frequency converter 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 FST is its extremely simple and timesaving setup. 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 parameters of the system can easily be adjusted using the integrated functions menu. A rotation switch in combination with a digital display allows comfortable and quick adjustment. The menu is intuitional and modular. During operation the display constantly gives information about the current system status. Among other things this greatly facilitates fault clearance.

Moreover FST is equipped with a frequency converter, which enhances the range of its features. One of these features is the soft start/stop capability, which involves a reduction of noise development as well as low-wear drive operation. The first aspect improves the working conditions at your site. The second point increases the life cycle of your motor and reduces maintenance costs. An additional feature of the frequency converter is the possibility to separately adjust opening and closing velocity. With this feature you can accurately adapt the speed of your gates to your needs. This helps to avoid latencies and cutst back on your energy costs.

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

FST features:

- timesaving and easiest setup
- automatic detection of connected components
- intuitional functions menu
- high power
- softstart / softstop
- seperately adjustable opening and closing speed
- maximum safety standard (EN 12453)
- integrated brake rectifier
- substantial repertory of functions (speed 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)
- cycle counter
- three integrated evaluations for connecting blocks
- support of cam limit switches as well as digital limit switches by GfA
- six customizable relays
- support of one remote control

Specifications:

Power capacity:	0,75 kW (FST-75) / 1,5 kW (FST-150)
Output voltage:	3 × 0...230 V
Max. rotatory field size F_{max} :	200 Hz
Line voltage:	1 × 230 V ± 10 %
Line frequency:	50 / 60 Hz ± 10 %
Control fuse:	
ext. control voltage:	24 V DC, 0.5 A short-circuit proof
Wiring of inputs:	use only floating contacts
Integrated brake control:	105 V DC, 230 V AC
max. brake current:	1 A
max. relay capacity:	230 V / 1 A
Temperature range:	-10 ... +50°C
Moisture range:	max. 85%, non-condensing
Protective class:	in housing IP 54

