

TRICON

## TST FUZ2-A

Door control unit with integrated frequency converter for balanced sectional doors and small high speed doors



### FEATURES

- Smooth starting and braking offers maximum material protection and a long product life cycle
- Fast startup speeds processes and reduces waiting times
- Easy installation due to extensive pre-settings for standard door systems and self-learning automatic configuration
- Model inspected safety conception
- Slot for radio receiver module
- Operation of three phase AC motors up to 0.75 kW





## ADDITIONAL FUNCTIONALITY

- Voltage range 1~ 110 V<sub>AC</sub>...240 V<sub>AC</sub> +/-10%
- Conformity to latest standards (TÜV, CE)
- 24 V safety low voltage according to EN 60335-1
- ESD resistance up to 25 kV
- Integrated control electronic for several safety edges (1k2 / 8k2 and optical systems)
- Plug in socket for 2-channel radio
- Mechanical limit switch operation
- Incl. CEE plug as main switch
- Colored plug in terminals for all control functions
- Up to 14 digital inputs and 2 relay outputs are factory adjusted for standard applications – various special functions can be adjusted by parameter:  
Functionality, operation mode, contact, warning- and hold open time, direction, diagnostic texts for plaintext display,...
- Optimized operation of WiCAB radio safety system
- PC toolbox for advanced configuration and diagnosis

## TECHNICAL DATA

<b>Order description</b>	<b>TST FUZZ2-A</b>
Dimensions (W x H x D)	182 x 328 x 102 mm
Housing	Plastic
Power supply	230 V <sub>AC</sub> +/-10% / 50-60 Hz, 1~110-240 V <sub>AC</sub> +/-10% / 50-60 Hz (permitted range)
Power consumption	maximum of 30 W fully equipped
Motor connection	for 3~ asynchronous motors up to 0.75 kW @ 230 V / 5 A; with high overload resistance for doors
Operation frequencies	6-200 Hz (separate adjustable frequency ramps for all door operating modes)
Control voltage / Supply external devices	24 V <sub>DC</sub> , safe 24 V <sub>DC</sub> / 250 mA short-circuit-proof
Drive output	
	For drives up to 0.75 kW at 230 V motor current at 100% duty cycle and 40°C environmental temperature: 3 A
	For drives up to 0.75 kW at 230 V motor current at 40% duty cycle and 50°C environmental temperature: 5 A
Temperature range	
Operation	-20°C up to 50°C
Storage	-20°C up to 70°C
Humidity	up to 95%, not condensing
Noise emission	< 20 dB (A)
Protection type	IP54 (in the housing)
Protection class	Protection class I
Weight	approx. 5 kg

## STANDARD CONFORMITY

Doors	EN 12453 / EN 12978
Voltage	EN 60335 / EN 60335-1
EMC	EN 50081 / EN 50082

## APPROVAL

TÜV Type examination

FEIG ELECTRONIC reserves the right to change specification without notice at any time. Stand of information: December 2014.

## Assembly TST FUZZ-A:

### 4-times 7-segment

- User interface
- Diagnostic, status information
- Parameter adjustment
- Service, cycle counter
- Fault memory

### Positioning by

- Mechanical limit-switches
- Absolute encoder

### Integrated safety edge evaluation

- Resistor systems
- Optic-dynamical edges
- Electrical edges
- Pneumatical edge incl. test



Motor up to 0.75 kW at 230 V  
(U, V, W)

### Power supply for external devices

- line, fused on board
- 24 V safety low voltage  
(up to 250 mA, short-circuit-proof)

### 2x Relay

- (potential free changeover contact)
- Position status
  - Warning light / traffic lights
  - Fault
  - Door lock
  - Light control
  - ...

Power supply  
110...240 V AC  
(L, N, PE)

### 24 V inputs 1...9

- Adjustable by parameters, e.g.:
- Ext. Open-, Stop-, Close commands
  - Light barriers
  - Additional safety commands
  - One channel, input series
  - Cross traffic control
  - Door lock
  - Dead man / automatic operation
  - Mechanical limit-switches
  - ...