

# WU Control Panel Datasheet

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Product Information  
Product Data



# WU Control Panel

## Door Control Panel with Two-way Contractor



The TST-WU Control Panel is easy to install with its self-learning automatic configuration which detects standard door systems. The control panel is compatible with mechanical and electronic limits making installation versatile for AC drives up to 2.2kW, 100% duty cycle, 24-volt power supply (500mA).

### Features

- Easy installation through self learning automatic configuration and pre-settings for standard door systems.
- Highest flexibility by various parameter adjustment possibilities to handle without any additional module.
- Electronic or mechanic limit switches.
- Module slots for radio receiver and induction loops.
- Options:
  - Input/Output expansion board for locks or traffic lights.
  - Oncoming traffic control.
  - "Real text" display.

## Technical Information

Voltage (V)	400/3~ : 230/1~
Control Voltage (V)	24
Maximum Load (kW)	2.2/ 6
Mains Frequency (Hz)	50
Protection Grade (IP)	54 (65)
Temperature Range	-10 / +50
Enclosure Dimensions	180x320x110

**Please Contact Our Sales Department On 01928 579050 For Further Information**

## Product Specification

### LEDs:

- Emergency Stop/24V (ext)
- Safety Edge
- Operation

### 4-character 7-segment

- User interface
- Diagnoses, Status display
- Parameter setup
- Service- + Cycle counter
- Error memory

### Positioning via:

- mechanical limit switches
- electronic limit switches
- (absolute / Incremental)

### 3x Emergency stop/Safety

(Separate evaluation and diagnoses)

### Integrated Safety edge controller

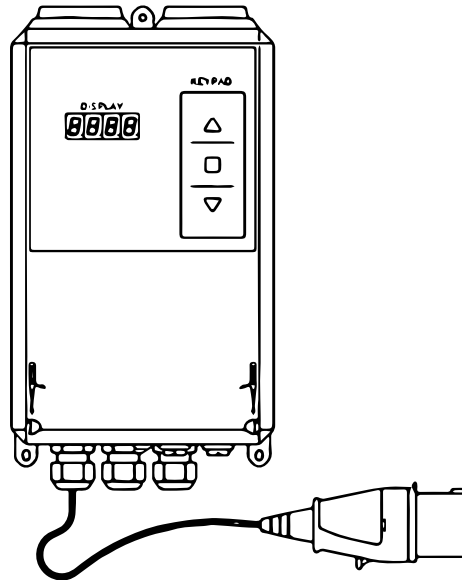
- Optic-dynamic strips
- Resistance control
- electrical edges
- pneumatic with testing

### 24 V-Inputs 1...10

- programmable, for example:
- ext. Open-, Stop-, Closecommands
- light beams
- additional safety equipment
- Toggle commands
- cross traffic logic
- door lock
- Deadman/automatic operation
- mechanical limit switches

### Additional functionality

- Conformity to the newest standards (TÜV, CE ≠ EN, IEC)
- Modern switch net part-technology with 24 V safe low voltage (PELV ≠ EN 60335)
- Integrated evaluation electronic for different safety edge systems: electric, pneumatic, optic-dynamic
- Slots for various additional modules
- I/O- extension module for barriers or doors
- Two-channel induction loop detector TST SUVEK
- Alternative: 2nd safety edge TST SUKS/SDWS
- One-/two-channel radio TST SFPE
- Pluggable terminals for motor, positioning system, safety strip and most relevant control functions
- Patented cable gland for pre wired cables
- Up to 17 (25 with RWU) digital inputs and 2 (6 with RWU / /14 with RWUI) relay outputs are factory adjusted for standard application - various special functions can be adjusted by parameter: function, operation mode, contact, warning and hold open- time, direction, diagnostic text for alphanumeric display,
- Software update via serial interface (e.g. PC)



### Foil Keypad

Open—stop—Close Commands  
Diagnostic, status information  
Parameter adjustment

### Motors up to 2.2 kW at 400 V

(U, V, W, N Pluggable)

### I/O Modules TST RWUx

For doors: Traffic light incl cross traffic Interlocks...(4x potential free changeover contact, 8x digital 24V inputs) For barriers: Traffic light, fault, counter. Loop status,...(12x 24V relay output make contact (NO), with / without potential)

### Power supply for external equipment

- Line, fused on board
- 24v safety low voltage (EN 60335)(up to 500mA load, short circuit proof)

### 2x Relay

(voltage free change over contacts)

- door position status
- warning light / traffic lights
- error message
- Command output, interlock
- hall light

### Technical Data

Housing: black plastic / transparent window WxHxD: ca. 180 x 320 x 110 mm

### Power supply / line:

controller (L1 N/L2): 115...240 VAC ±10% / 50-60 Hz e.g. for typical line supplies:

- 3N~ 400 VAC ±10%
- 1~/3~ 200 VAC ±10% w/ or w/o N
- 1~/3~ 208 VAC ±10% w/ or w/o N

optional add-on kit: without N

- WUT-A: 260...400 +/-10%
- WUT-B: 440...480 VAC ±10%

**Motor:** 3~ asynchronous motors up to 2.2 kW at 400 V

Safety: as built

### Control voltage / low voltage supply:

24 VDC, safe

24 VDC / 500 mA, short-circuit-proof

**Temperature:** -10°C to +50°C ambient

**Protection:** IP54 (IP65)

**Standards:** Doors: EN 12453 / EN 12978 Voltage: EN 60335 (VDE 0700) EMC: EN 50081 / EN 50082 TÜV approved