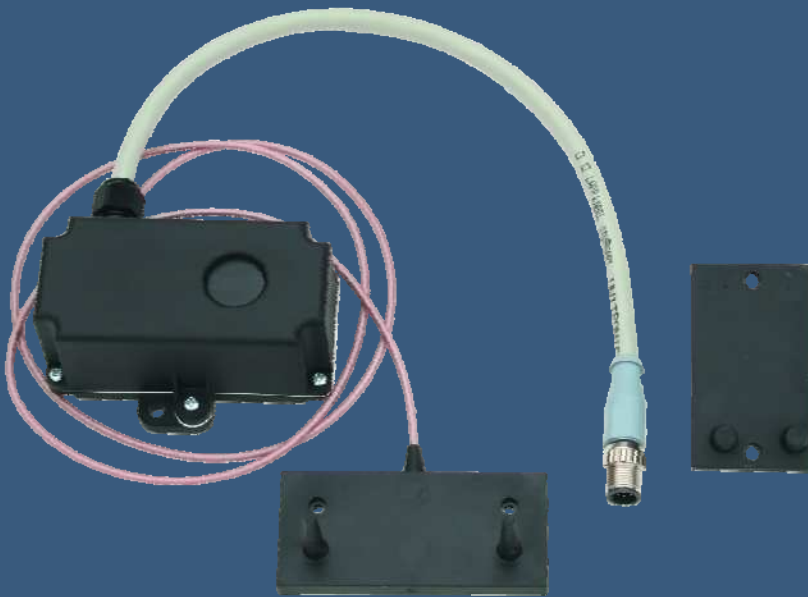




## WiCAB-A

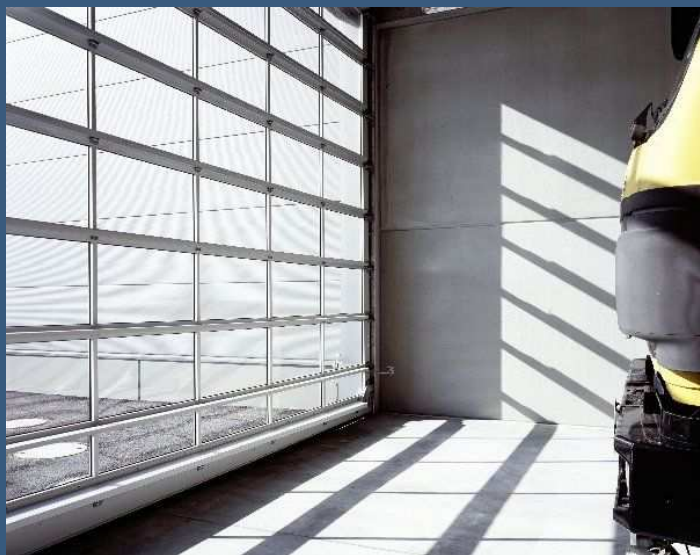
### Wireless safety system for industrial doors with multi-turn absolute encoder



#### FEATURES

- Radio system replaces the failure-prone spiral cable
- Fast and easy installation
- Compatible with all common door drives
- Safe use also in multi-door-applications: each mobile unit has its own radio address
- Performance guarantee by clearly defined radio link
- The profile of safety edge must not be changed





## TECHNICAL DATA

### WiCAB-A Stationary unit – multi-turn

Dimensions (W x H x D)	92 x 70 x 42 mm without antenna, plug and connections
Weight	approx. 220 g
Protection class	IP 65
Power supply	24V DC +/- 10% typical 65 mA
Position detection	Multi-turn, contactless read
Resolution	13 Bit / rotation 15 Bit rotation counter
Max. allowed rotation speed	max. 6.000 rotations / Min.
Radio system <sup>1</sup>	2.4 GHz (max. 1mW); communication with mobile unit via external antenna
Digital outputs*	Output 1 (safety edge**) Output 2 (digital output) (alternatively safety edge**) Output 3 (digital output)
Interface	RS485 (19.2 kBaud)
Temperature range	-40 °C up to 70 °C

<sup>1</sup> Transmission time (input mobile unit – control unit) typ. < 10ms;

Range of the radio system: typical > 10m

\* Function of the outputs parameterized in the door control unit

\*\* Safety edge 8k2 with testing

### WiCAB-A Mobile unit

Dimensions (W x H x D)	66 x 39 x 15 mm (without clamps)
Weight	30 g
Protection class	IP 65 (connection terminal IP 20)
Connection	via plug-in terminals RM 3,81 mm
Power supply	3,2...4,0 V , typical <8,5 mA at 3.6 V active / 0.5 mA passive
Inputs*	3 (individually configurable)
Operating frequency	2.4 GHz
Battery voltage	3.6V Lithium D-cell (recomm.)
lifetime	typical 2 years with D-cell 3.6 V 19 Ah for typical door cycles
Temperature range	
Operation	-40°C up to 70°C (Lithium battery)
Storage (without battery)	-40°C up to 85°C

\* Inputs for NC/NO (potential free contact), electrical safety edges with 8k2 or 1k2 resistor, flap door switch 8k2, visually dynamic safety edge (Low Power)

### System components / Order descriptions:

#### WiCAB-A Stationary unit – multi-turn

TST PD-FSAS-A

Multi-turn absolute encoder with integrated wireless safety system incl. housing for installation at the motor shaft or at the transmission output of the motor.

#### WiCAB-A Mobile unit

TST FSAM-A

### Accessories:

#### Battery for mobile unit (VPE 30)

TST FSBM-WiCAB Battery

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
Stand of information: January 2012.