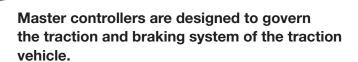


# MASTER CONTROLLERS

For all kind of traction vehicles



Modular design developed on the basis of customers' requirements.

Designed with respect to driver's comfort.

#### **CUSTOMER BENEFITS**

Reliable and highly service proven solution Ergonomic shape of the driving lever Wide range of additional functions for different customers' solutions

#### **REFERENCES**

More than 10 000pcs sold

Compliant to: EN60077 and UIC6112





## EQUIPPED BY WIDE RANGE OF ADDITIONAL FUNCTIONS AS

Sensor for exact driving lever position (analogue output U/I, digital output Gray code, PWM)

Touching surface dead man for driver's activity control

Mode selector / Key / Push buttons / Pneumatic valve

Safety lock as a part of safety sequence

CAN / Ethernet

### Dead man's vigilance function

Touch surface

Push button or by pressing the handle

Handle rotation



**Statistics** 



**Live Alerts** 



Real Time Monitoring

#### DATA SHEET PRODUCT SPECIFICATION

Train segment LRV, locomotive, EMU

Temperature range -40° C to +70° C

**MTBF** Over 50 000 hours

Rated voltage 24V DC / 72V DC / 110V DC

Options: 48V DC / 64 V DC

Position sensor Voltage 0..10V

Current 4-20mA

#### **Mechanical features**

Control handle Rotary / Slide

Handle Shape T-handle / Mushroom / Ball

Options: T-handle with pushbutton, Ergonomic shape

IP protection IEC 60529 IP00 (Snap action switches IP40)

Options: higher values upon request

Shock and vibration EN 61373

Life cycle > 2\*106 cycles



#### **WABTEC CORPORATION**

U Přivaděče 1315/3 326 00 Plzeň Czech Republic Phone: + 420 379 207 211

Email: info.ftczech@wabtec.com

www.ftczech.com