FRAUSCHER

Track more with less.

Axle Counting

Frauscher Advanced Counter FAdCi

The FAdCi is a particularly economical variant of the FAdC axle counter for special requirements such as shunting yards, industrial railway and public transport. The FAdCi offers all the advantages of the FAdC.

Information

Clear/occupied status (SIL 3)

Direction (SIL 3)

Number of axles

Speed

Wheel diameter

Diagnostic data

Applications

Track vacancy detection

Grade crossing protection

Switching point protection

Benefits

Simple and flexible configuration

Software interface

Flexible architecture

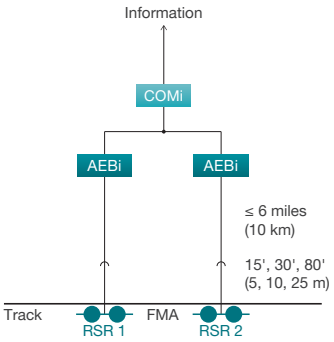
Low maintenance

Simple project management

FAdCi

Connection to a high-performance electronic interlocking is possible via a vital, customer-specific interface or the Frauscher Safe Ethernet FSE protocol.

All processes – planning, engineering, configuration, diagnostics, maintenance and adaptation – are supported by innovative software tools. Software logic methods such as Supervisor Track Sections or Counting Head Control further increase system availability.



COMi	Communication board
AEBi	Evaluation board
FMA	Track section
RSR	Wheel sensor

Technical Data

	FAdCi
Interfaces	Vital, customer-specific protocol Frauscher Safe Ethernet FSE protocol and/or vital output via optocoupler or relay interface
Safety level	SIL 3 (communication according to EN 50159, category 2)
Temperature	Outdoor equipment: -40 F to +185 F (-40 C to +85 C) (“outside” climatic class TX of EN 50125-3) Indoor equipment: -40 F to +158 F (-40 C to +70 C) (“in cabinet” climatic class T2 of EN 50125-3)
Humidity	Outdoor equipment: 100%, IP68 Indoor equipment: up to 100% (without condensation or ice formation for the entire temperature range)
Electromagnetic compatibility	EN 50121-4
Mechanical stress	3M2 according to EN 60721-3-3 Suitable for use in compact outdoor cabinets close to the track
Speed	0 (static) to 50 mph (0 to 80 km/h)
Dimensions	Format: 19“ housing for 4“ (100 mm) x 7“ (160 mm) boards Width: board rack with 42 or 84 width units Height: 3 height units
Power Supply	Voltage: +19 V DC bis +72 V DC Power: approx. 4.5 W per counting head Isolation voltage: 3,100 V