

Description:

The Model **2600-54x** Frauscher Sensor Kit for 2600 AEI consists of:

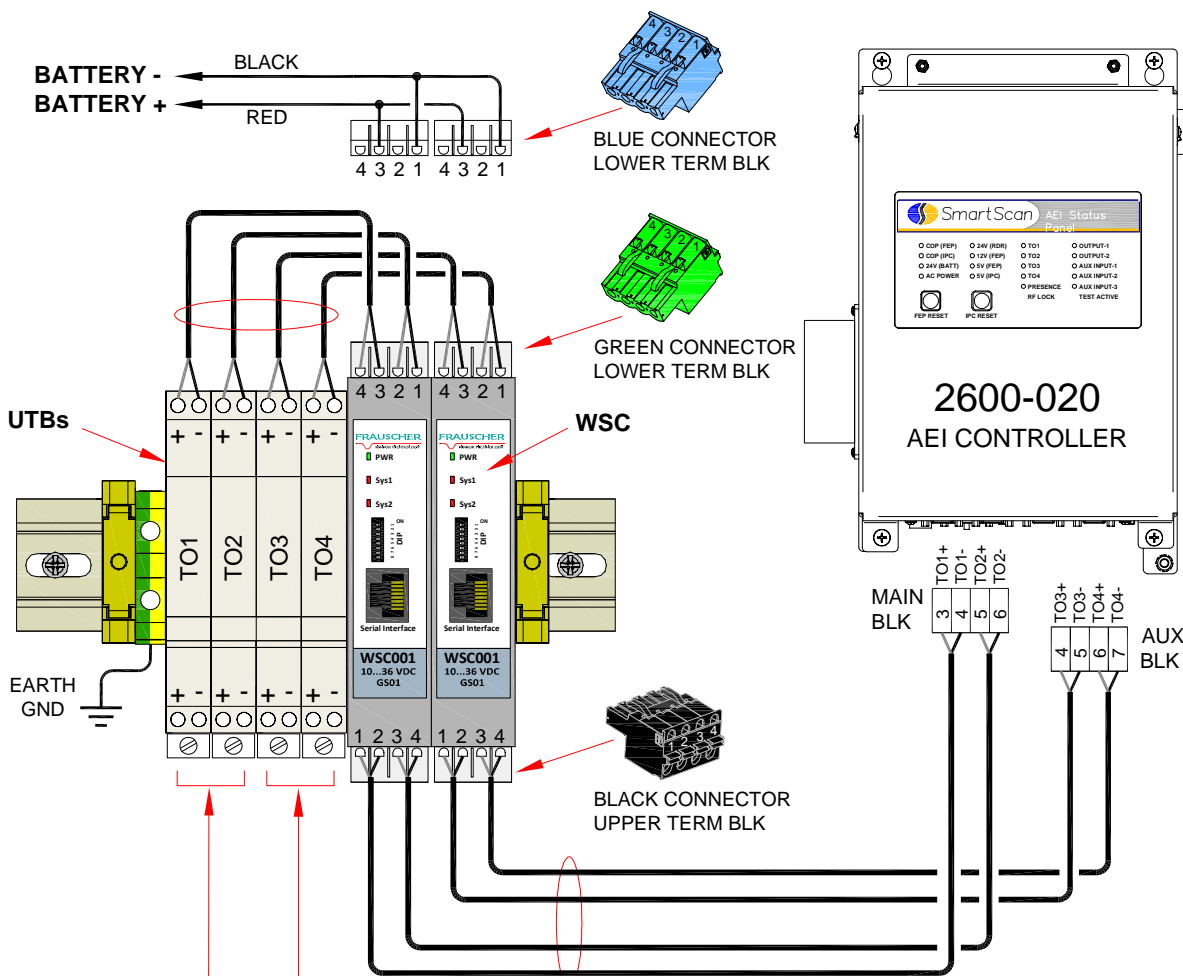
- Frauscher RS110 Dual Wheel Sensor(s)
- Frauscher Rail Claw(s)
- signal cable(s)
- Frauscher WSC001 Signal Converter (WSC)

The WSC provides the necessary circuitry to interface the RSR110 sensor to a 2600-020 AEI System. The **2600-548** Frauscher Sensor Kit is designed for use when installing Frauscher sensors in the standard “truck-trap” configuration (see page 2). The **2600-547** is designed for AEI sites with a single Frauscher pair (see page 3).

NOTE:

See TB-2020209-RH01 for detailed instructions on mounting, aligning and calibrating the Frauscher Zero-Speed Wheel Sensor when used with the 2600 series SmartScan AEI system.

WIRING FOR 2600-548 FRAUSCHER SENSOR KIT



FRAUSCHER "A-PAIR"
WIRING is dependent on the sensor's directional orientation on the rail. The northmost or eastmost internal sensor ALWAYS connects to the TO1 input:

- If SYS1 is the northmost or eastmost sensor, connect Brown to TO1+, Yellow to TO1-, Green to TO2+, and White to TO2-
- If SYS2 is the northmost or eastmost sensor, connect Green to TO1+, White to TO1-, Brown to TO2+, and Yellow to TO2-

A-PAIR

FRAUSCHER "C-PAIR"
WIRING is dependent on the sensor's directional orientation on the rail. The northmost or eastmost internal sensor ALWAYS connects to the TO3 input:

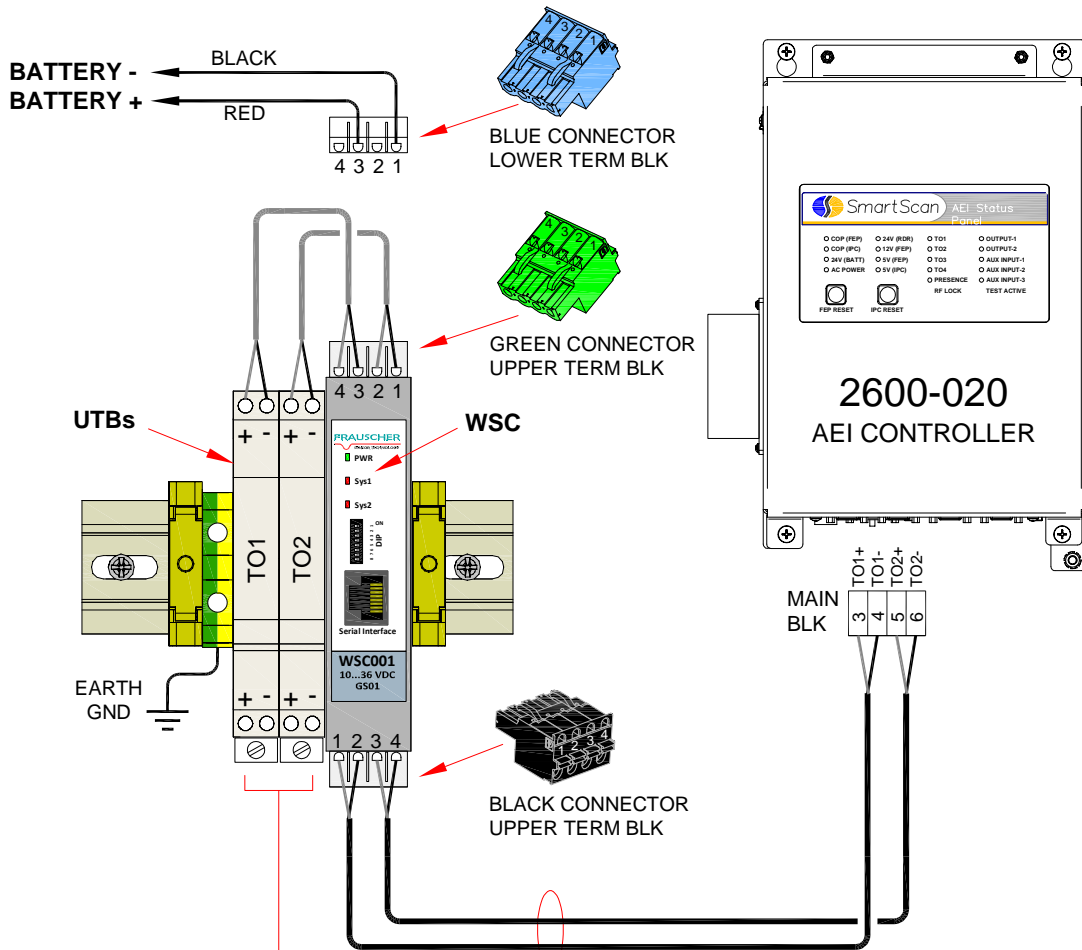
- If SYS1 is the northmost or eastmost sensor, connect Brown to TO3+, Yellow to TO3-, Green to TO4+, and White to TO4-
- If SYS2 is the northmost or eastmost sensor, connect Green to TO3+, White to TO3-, Brown to TO4+, and Yellow to TO4-

C-PAIR

44-101-002 2-Cond Shielded Pair - 3 FT
 (White to Signal, Black to Signal GND)

N/E
***NOTE:** The A-PAIR is always the northmost or eastmost wheel sensor pair.

WIRING FOR 2600-547 FRAUSCHER SENSOR KIT



44-101-002 2-Cond Shielded Pair - 3 FT
(White to Signal, Black to Signal GND)

FRAUSCHER "A-PAIR"
WIRING is dependent on the sensor's directional orientation on the rail. The northmost or eastmost internal sensor ALWAYS connects to the TO1 input:

- If SYS1 is the northmost or eastmost sensor, connect Brown to TO1+, Yellow to TO1-, Green to TO2+, and White to TO2-
- If SYS2 is the northmost or eastmost sensor, connect Green to TO1+, White to TO1-, Brown to TO2+, and Yellow to TO2-

A-PAIR

General Specifications:

| | |
|--------------------------|--|
| Output Signal | Wheel sensor current: constant current (5 mA) when damping by train wheel. |
| Power supply | Voltage: +8 VDC to +33 VDC |
| Conditions | UV resistance: yes Protection class: IP65 / IP68 to 8 kPa/60 min. Wheel diameter: 300 mm to 2 100 mm Speed: 0 km/h (static) to 450 km/h |
| Temp. Spec. – Industrial | -40°C to +85°C |