

Datasheet

This guide is designed to help you set up and install the R-GAGE T30R sensor. For complete information on programming, performance, troubleshooting, dimensions, and accessories, please refer to the Product Manual at www.bannerengineering.com. Search for part number 217048 to view the Product Manual. Use of this document assumes familiarity with pertinent industry standards and practices.

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WARNING:

- · Do not use this device for personnel protection
- · Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or de-energized (off) output condition.



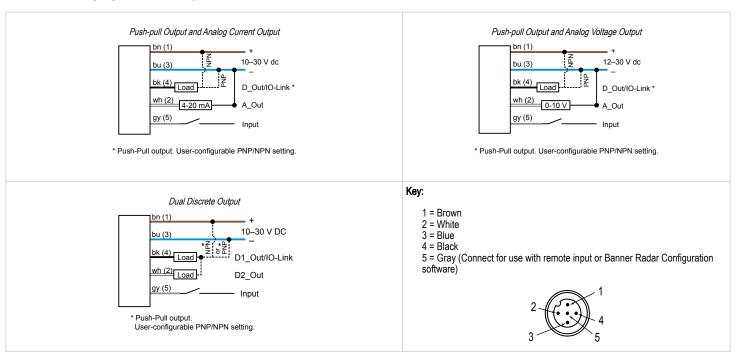
WARNING:

- · N'utilisez pas ce dispositif pour la protection du personnel.
- · L'utilisation de ce dispositif pour la protection du personnel pourrait entraîner des blessures graves ou mortelles.
- Ce dispositif n'est pas équipé du circuit redondant d'autodiagnostic nécessaire pour être utilisé dans des applications de protection du personnel. Une panne ou un dysfonctionnement du dispositif peut entraîner l'activation ou la désactivation de la sortie.

IMPORTANT: To satisfy RF exposure requirements, this device and its antenna must operate with a separation distance of at least 20 cm (7.9 in) from all persons.

T30R Wiring

Quick disconnect wiring diagrams are functionally identical.



Banner Measurement Sensor Software



Use the Banner Measurement Sensor software to:

- Quickly configure the sensor
- Easily monitor device status via the software
- · Visualize the application in real-time
- · Make adjustments to sensor settings on the fly

For more information, visit www.bannerengineering.com/us/en/products/sensors/software/banner-measurement-sensor-software.html.

T30R Specifications

Supply Voltage (Vcc)

Analog Voltage models: 12 V DC to 30 V DC

Analog Current and Dual Discrete models: 10 V DC to 30 V DC



Use only with a suitable Class 2 power supply (UL) or Limited Power Supply (CE)

Power and Current Consumption, exclusive of load

Power consumption: < 2.4 W

Current consumption: < 100 mA at 24 V DC

Response Time

Analog update rate: 2 ms
Discrete output response: 6 ms
Speeds given for fast mode. See the Instruction Manual for additional

Operating Temperature

-40 °C to +65 °C (-40 °F to +149 °F)

Certifications

ETSI EN 305 550-1 V.1.2.1 ETSI EN 305 550-2 V.1.2.1 FCC Part 15, §15.258 FCC ID: UE3-T30R IC ID: 7044A-T30R

Banner Engineering BV Park Lane, Culliganlaan 2F bus 3 1831 Diegem, BELGIUM	Turck Banner LTD Blenheim House Blenheim Court Wickford, Essex SS11 8YT GREAT BRITAIN	♦ IO -Link®
	FC	IND. CONT. EO. E224071 UL Environmental Rating: Type 1
R-R-BE2-T30R	Complies with IMDA Standards N4801-23	7 = C

for others, contact Banner Engineering

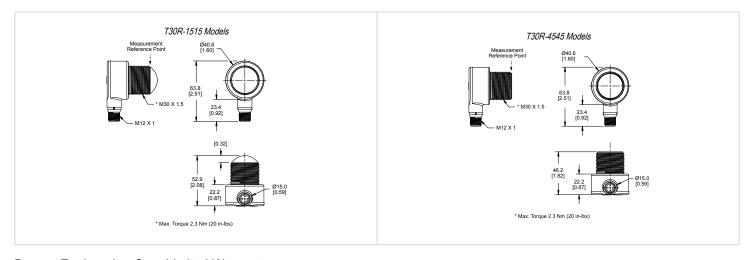
Country of Origin: USA

Operation of the T30R sensor on board an aircraft or a satellite shall be prohibited.

Refer to the Instruction Manual, p/n 217048, for FCC and Industry Canada notification statements.

T30R Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



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