

# Ban30 Safety Detection Radar

## For Boom Gates Up to 15m wide

### Mid range detection Radar up to 15m



The **Ban30** is an industrial radar sensor that uses high frequency radio waves. It detects Cars, Trucks, Bikes and pedestrian. Easy to install and Telecom approved in Australia with a 10VDC to 30VDC, the sensor can be configured to sense objects up to a specific distance and ignoring objects beyond this distance. It's the ideal solution for extra wide boom gates in excess of 6m and up to 15 meters where loop detectors and PE beams are not an option. Built for harsh environment this device will perform under all weather conditions.

**Please Note:** Rotech Automation will configure the length of detection prior to shipping. Accurate measurements need to be provided at time of order. Alternatively a pro kit can be purchased to configure detection area on site.

### Radar-based sensors for detecting and measuring moving and stationary targets

- FMCW radar detects moving and stationary objects
- Adjustable sensing field to ignores objects beyond setpoint
- Easy setup and configuration of range, sensitivity, and output using the Banner Radar configuration Software
- Sensing functions are immune to wind, fog, steam, extreme temperature changes, resistant to rain and snow
- Compact, rugged IP67 housing withstands harsh environments
- Rounded lens that helps focus the signal and creates a narrower sensing beam

### Features and Indicators



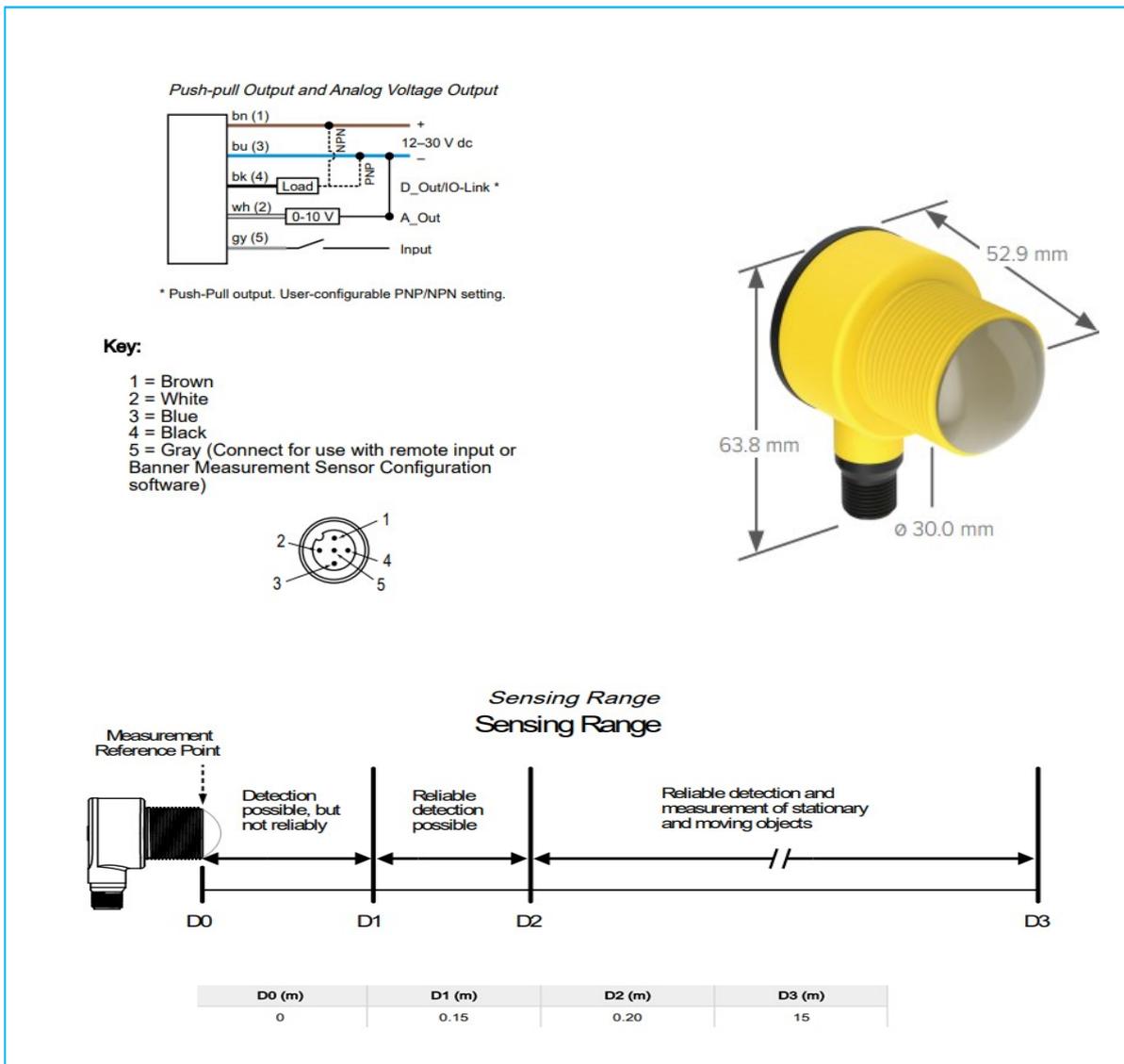
	LED	Color	Description
1	Power	Green	Power ON
2	Signal Strength	Red	Flashes in proportion to the signal strength
3	Output 1	Amber	Target is within the taught analog span or discrete output status
4	Output 2	Amber	Discrete output status
5	NO/NC	Amber	Normally open/normally closed status of discrete output. Dual discrete models have two LEDs.
6	n/a	n/a	Output Teach buttons

## Technical Specifications

Specification	(BAN30)
Power	DC
Sensing Beam	Radar
Operating Frequency	122GHz
IP Rating	IP67
Supply Voltage	10-30V DC
Max Sensing Distance	15m
Operating Temp	-40°C to +65°C
Minimum Response Time	6ms



## Dimensions Range and Wiring



Rotech supply all forms of door and gate automation

### Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Industrial Door Openers
- Solar Powered Gate Openers

### Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates
- Rapid Access Gates

Fast | Safe | Secure

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