



XX Software-configurable wide beam Ultrasonic Sensors



Wide angle ultrasonic sensor detection for mobile equipment

New and improved XX Ultrasonic Sensors from Telemecanique Sensors make reliable detection for mobile equipment “Simply easy!”

Detection over a large coverage area

With the newly designed PCB of the XX Ultrasonic Sensor, the width of the detection beam becomes much larger and can cover a greater area. When conditions require multiple sensors installed in close proximity to each other, the ‘synchronization’ feature of the new XX Ultrasonic sensors allows reliable detection of objects from each sensor with minimal risk of cross-talk.

Detection of obstacles in harsh environments

The XX Ultrasonic Sensor from Telemecanique Sensors comes in an anti-UV plastic housing and can operate in temperatures ranging from -40°C to $+70^{\circ}\text{C}$. These robust features, combined with its reliable, wide beam detection of obstacles and IP69K rated resistance to high-pressure washdowns, make it a virtually perfect sensor for mobile equipment.

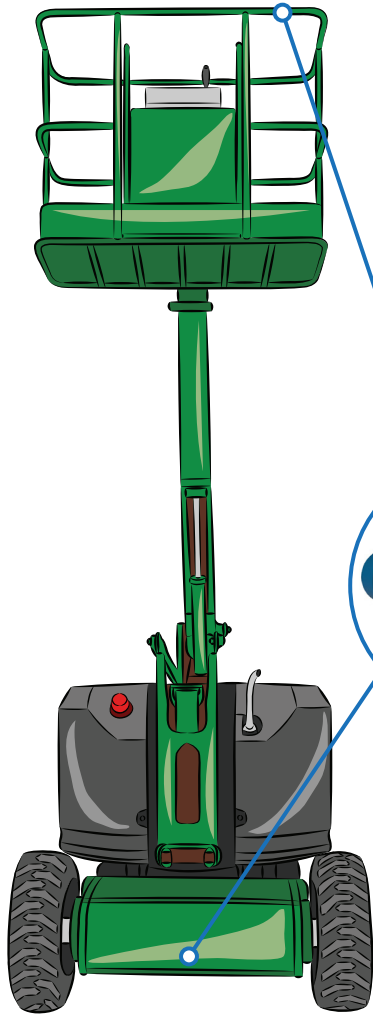
Easier machine integration

While most Ultrasonic Sensors on the market are analog sensors with a typical supply voltage of 12 - 24, XXW54 Wide Beam Sensors come with embedded CANJ1939 protocol enabling them to instantly integrate into CAN networks. They operate on a larger voltage range (9-32 volts) and come with an integrated Deutsch connector. Take them out of the box; Plug them in!

Simply easy!



Telemecanique
Sensors



E-certified for Mobile Equipment

- Better immunity against EMC interference.



“Echo-display” Troubleshooting tool

- See the real-time performance of the sensors for the optimal installation and maintenance.



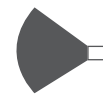
Synchronization

- Ability to enlarge areas of detection using multiple sensors without cross-talk.



IP69K Rating

- High temperature and high pressure washdown
- On sensor face and housing



Wide angle detection

- 50° beam angle at 1.5 meters.

Features, Benefits & Characteristics

- Deutsch style, 6-pin connector
- Available in anti-UV plastic
- High repeat accuracy
- Synchronization capability
- Operating range: 3m
- Operating temperature: -40°...70°C
- Certifications: CE, cULus, E2
- Degree of protection: IP69k on face & housing
- Extra PNP output in proximity mode (for analog version)
- Noise alarm function
- CANJ version available

Part Numbers

Sensing distance	Digital Output	Analog Output	Connection	Reference	
3m	PNP	0.5 - 4.5 V	0.15 cable + 6-pin Deutsch male connector	XXW54P3HPL01DM6	
			0.5m cable	XXW54P3HPL05	
		4 - 20mA	0.15 cable + M12 5-pin connector	XXW54P3HPL01M12	
			0.15 cable + 6-pin Deutsch male connector	XXW54P3APL01DM6	
			0.5m cable	XXW54P3APL05	
			0.15 cable + M12 5-pin connector	XXW54P3APL01M12	
	CANJ1939		0.15 m cable + DTM04-6P Connector	XXW54P3JL01DM6	
			0.5 m cable	XXW54P3JL05	
			Cable jumper for connection from Deutsch male connector to configuration box		XXZKITDM6

XX Configuration Software

For advanced / custom sensor configurations, easy XX Configuration software is available.

- Set near and far limits
- Adjust gain
- Filter out anomalies
- Configuration clone between sensors
- Diagnostic in real-time

For our complete selection of sensor solutions, visit www.tesensors.com

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