

XC Wireless Switches for cable-less and energy-saving detection



Wireless and battery-less Limit Switches now available in miniature format!

The groundbreaking wireless and battery-less limit switch technology from Telemecanique Sensors is now available in the most compact form on the market.

Wireless

The revolutionary wireless technology from Telemecanique Sensors simplifies machine communication where cabling is difficult, expensive, or unwanted. It is the perfect way to give mobile machines more freedom of movement. The wireless and battery-less technology also drastically reduces maintenance.

Easy to install

The bodies of the wireless and battery-less limit switches from Telemecanique Sensors have been designed to fit in extremely compact areas. To further simplify the installation process, both the EN50041 and miniature versions come in a plug-and-play kit and are offered in out-of-the-box compatible packs comprising the transmitter and a receiver.

Green and energy saving

The self-powered technology of XC Wireless and battery-less Limit Switches from Telemecanique Sensors eliminates battery replacement, battery recycling, and reduces raw materials. The wireless technology of XC Wireless and battery-less Limit Switches also eliminates cables and other materials necessary to connect power to the switch.

Simply easy!

Telemecanique Sensors



Benefits

Simplified, cost-effective installation & maintenance

- No cables means no cabling cost at installation
- No internal contacts significantly reduces maintenance cost

Long-distance communication

- 100m (328 ft.) wireless range
- Range can be doubled with a dedicated antenna

Energy efficient and environmentally friendly

- Self-powered, so there is no battery replacement or recycling costs
- Wireless communication eliminates cables, reducing material usage

Characteristics

- Uses Zigbee® protocol for best-in-class communication performance
- Up to 100m (328 ft.) distance in open field
- Up to 32 transmitters per receiver (ZBRRC and ZBRRD receivers)
- Top performance with access point receiver through Modbus serial or Modbus/TCP protocol

Part Numbers



Transmitters (EN50041 format)

Part Number	Description
XCKW101	metal end plunger
XCKW102	steel roller plunger
XCKW131	plastic roller lever
XCKW139	elastomer roller Ø 50mm lever
XCKW141	variable length roller lever
XCKW149	variable length elastomer roller Ø 50mm lever
XCKW159	plastic round Ø 6mm lever



Transmitters (miniature format)

Part Number	Description
XCMW110	Metal end plunger
XCMW102	Metal roller plunger
XCMW115	Plastic roller lever
XCMW116	Metal roller lever
XCMW145	Adjustable length plastic roller lever



Receivers

Part Number	Outputs	Number of Transmitters	Optional Antenna
ZBRRC	4xPNP	32	ZBRA1
ZBRRD	2xRelays	32	ZBRA1
ZBRN1	Modbus TCP	60	ZBRA2
ZBRN2	Modbus RS485	60	ZBRA2



Packages (EN50041 format)

Part Number	Description
XCKWD02	XCKW102 transmitter and ZBRRD receiver
XCKWD31	XCKW131 transmitter and ZBRRD receiver



Packages (miniature format)

Part Number	Description
XCMWD02	XCMW102 transmitter and ZBRRD receiver
XCMWD15	XCMW15 transmitter and ZBRRD receiver

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Schneider Electric Industries SAS
Head Office
35, rue Joseph Monier – CS 30323
F92506 Rueil-Malmaison Cedex
FRANCE
www.tesensors.com

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