

## APEX SAI 33-W3

### Standalone indicator for wireless anti-two block switches & windspeed sensors

#### Applications

- Mobile cranes
- Lifting applications

#### Special Features

- FCC approval
- Wireless connection of up to two wireless anti-two block (A2B) switches
- Wireless connection of one wireless windspeed
- Signal output (hoist limit) via digital output
- Connection of sensors via push button
- Integrated wireless transmitter
- Wide range of display functions for sensor status / value monitoring and system configuration
- Remotely monitors the battery level of the connected wireless sensors
- IP65 Protection class (suitable for outdoor application)
- Long transmission range

#### Description

The APEX SAI 33-W3 is a standalone indicator for use with the APEX HES-W3/01 wireless anti-two block (A2B) switches and APEX WSS-W3 wireless windspeed sensor. Up to two A2B switches and one windspeed sensor can be connected to a single APEX SAI 33-W3 indicator.

The indicator can be configured to trigger a digital output when a hoist limit has been reached. Additionally, the A2B status and windspeed are shown on a graphical display.

Configuration is done via user-interface on the indicator.



APEX SAI 33-W3

**APEX**

The APEX family of wireless equipment is designed for use in mobile machinery. The applications range from anti-two block (A2B) switches, to windspeed measurement, as well as angle and force measurement.

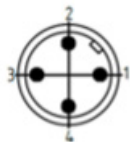
# Technical Specifications

APEX SAI 33-W3	
Part number	83903043
Power supply	10V to 30V DC
Frequency range	902 – 928 MHz modulation: OQPSK DSSS license-free
Antenna	915 MHz RP-SMA
Antenna connection	RP-SMA
Range	1400m (4539ft) <sup>1</sup>
Electrical connection	M12 /4P male A-coded
Signal output	Up to 2 configurable digital outputs
Control elements	1 pairing button, 4 LEDs, 5 push-buttons for system configuration via display
FCC conformity	N4TWMC915R1
ISEC ID	3196A-WMC915R1
Dimension	151,6 x 76,6 x 77,4 mm
Weight	1 kg
Operating temperature range	-40°C...+70°C
Storage temperature range	-40°C...+85°C
Protection class	IP65

<sup>1</sup> Open field, direct line of sight

## Pin Assignment

Connector type: M12, Male, A-coded, 4 pins



Pin	Signal
1	+UB
2	D01
3	GND
4	D02

## Dimensions

