

APEX TRS30-W3

Gateway for APEX wireless sensors

Applications

- Mobile cranes
- Lifting applications

Special Features

- FCC approval
- Ability to connect multiple APEX wireless sensors
- Signal output via CANopen
- Connection of sensors via push button
- Status LEDs signal various operating conditions
- Remotely monitors the battery level of the connected wireless sensors
- IP66 Protection class
- Long transmission range



APEX TRS30-W3

Description

The APEX TRS30-W3 is a gateway for the connection of multiple APEX wireless sensors. The sensor signals are available via CANopen output.

The following sensors can be connected to a single APEX TRS30-W3: anti-two block switch, windspeed, angle, and load.



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 TRS30-W3	
Part number	83903404
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) ¹
Electrical connection	M12 /5P male A-coded
Signal output	CANopen
Control elements	1 pairing button, 4 LEDs
FCC conformity	N4TWMC915R1
ISEC ID	3196A-WMC915R1
Dimension	121,5mm x 55,7mm x 91,5mm
Weight	0,35 Kg (0,77 lbs)
Distance between mounting holes	102,1 mm
Operating temperature range	-40°C..+70°C
Storage temperature range	-40°C..+85°C
Protection class	IP66

¹ Open field, direct line of sight

Connector

Connector type:
M12, Male,
A-coded, 5 pins



Pin	Signal	DIR	Description
1	CASE	PS	Shield / Case
2	+UB	PS	Positive power supply line, +10 .. 30 Vdc from CAN Bus internal fuse 2A, reverse polarity protection with TVS- diode
3	-UB	PS	Negative power supply line, 0V
4	CANH	IN/OUT	CAN Bus line CANH
5	CANL	IN/OUT	CAN Bus line CANL

Dimensions

