

**SPECIFICATIONS OF RADAR SENSOR
DRS4W**

1 RADIATOR

- 1.1 Antenna type Patch array antenna
- 1.2 Antenna length 19-inch
- 1.3 Horizontal beam width 7.2° (3 dB)
- 1.4 Vertical beam width 25° (3 dB)
- 1.5 Gain 20 dBi or more
- 1.6 Sidelobe attenuation -18 dB (within ±20°), -20 dB (±20° or more)
- 1.7 Rotation 24 rpm

2 RADAR FUNCTION

- 2.1 Tx frequency 9410±30 MHz, P0N
- 2.2 Output power 4 kW
- 2.3 Duplexer Ferrite circulator
- 2.4 Intermediate frequency 60 MHz
- 2.5 Range, Pulse length and Pulse repetition rate

Range (NM)	Pulse length (μs)	PRR (Hz approx.)
0.125 to 0.5	0.08	360
0.75 to 2	0.3	360
3 to 24	0.8	360

- 2.6 Minimum range 25 m
- 2.7 Range resolution 25 m
- 2.8 Range accuracy 1 % of range in use or 0.01 NM, which is the greater
- 2.9 Bearing resolution 7.2°
- 2.10 Bearing accuracy ±1°
- 2.11 Warming up time 90 s

3 INTERFACE

- 3.1 Wireless LAN standard IEEE 802.11 b
- 3.2 Transmit frequency 2.4GHz nominal
- 3.3 Number of channel 10 ch
- 3.4 Receivable distance 5 m nominal (through FRP, wood: 2 m nominal)

4 POWER SUPPLY

12-24 VDC: 2.1-1.0 A

5 ENVIRONMENTAL CONDITIONS

- 5.1 Ambient temperature -25°C to +55°C
- 5.2 Relative humidity 95% or less at +40°C
- 5.3 Degree of protection IP26
- 5.4 Vibration IEC 60945 Ed.4

6 UNIT COLOR

N9.5 (cover), PANTONE 2945C (bottom)