

**SPECIFICATIONS OF RADAR SENSOR  
DRS4DL+**

**1 RADIATOR**

- 1.1 Antenna type Patch array antenna
- 1.2 Antenna length 19-inch
- 1.3 Horizontal beam width 5.2° typical (3 dB)
- 1.4 Vertical beam width 25° (3 dB)
- 1.5 Sidelobe attenuation -20 dB (within ±20°), -25 dB (±20° or more)
- 1.6 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.)
0.0625 to 0.5	0.08	360
0.75 to 2	0.3	360
3 to 36	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 5.2°
- 2.10 Bearing accuracy ±1°
- 2.11 Warming up time 90 s

**3 INTERFACE**

- LAN 1 port, Ethernet 100Base-T, RJ45

**4 POWER SUPPLY**

12-24 VDC: 2.1-1.0 A

**5 ENVIRONMENTAL CONDITIONS**

- 5.1 Ambient temperature -25°C to +55°C (storage: +70°C or less)
- 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), 2.5PB3.5/10 (bottom)