Weather radars send directional pulses followed by a waiting time to "listen" to return signals to determine if echoes are coming back from precipitations.

With a X-band weather radar you have a local weather picture and you are capable to start your anti-hail devices only when there is a high POH (Probability Of Hail).

Skydetect software

SkyDetect is meteorological analysis software which calculates permanently echoes levels and echoes shapes through an images flow from radar antenna. It allows you to keep watch over 8 different areas situated wherever you want on radar screen.

Activating thresholds are adjustable for each area independently. Many others parameters can be set in order to have a sensibility in accordance with your geographical environment and requirements.
WEATHER RADAR
Skydetect

SKD4KW Model

Technical characteristics

**Antenna unit**
- Output: 4kW
- Frequency: X-band radar (9.41 GHz)
- Beamwidth: Vert: 22° - Hor: 2°
- Type: Open
- Size: 3.5 fts
- Weight: approx. 40 kg
- Rotation speed: 24 or 48 rpm
- Cable length: 30m maximum

**RF Transceiver unit**
- Power supply: 12VDC
- Max current: 7A (24 rpm)
- Power: 4kW
- Warming up: 90s max
- Weight: 10 kg

**Weather detection cabinet**
- Main computer power supply: 12V
- Spare computer power supply: 12V (in option)
- Number of alarm areas: 8
- Controlled outputs: 8 (NC or NO)

**Display unit**
- Power supply: 12V
- Screen size: 17" LCD
- Input: VGA

**Environmental conditions**
- Temperature: -25°C to 70°C (Antenna)
- 0°C to 40°C (Cabinet)
- Max wind: 130 km/h

Installation and Service operations

**Mounting time**
- Between 2 and 4 days

**Maintenance**
- Each year - Wearing parts replacing compulsory

Manufacturer

Sarl I.C.E
Head office: 5, rue Victor Maurel 13007 Marseille (France)
Office: 41, avenue de Saint-Jean 13002 Marseille (France)
Email: infos@meteo-radar.com
Web: www.meteo-radar.com

Equipment compliant with European rules.