Dehydrator Remote Monitoring for Optimum Cable & Antenna Performance

Dew point, Humidity, Pressure, Temperature and Flow Monitoring in Real Time

Drallim Telecommunications have been supplying dehydrators and condition monitoring systems to the telecommunication and broadcast industry for over 40 years.

Today's lifestyle demands good communications and Drallim's dehydrators along with its condition monitoring equipment are working in the background, helping to optimise network performance around the world.

The dehydrator is an essential element in any antenna or pressurised copper cable network system. Its purpose is to provide positive pressure dry air to the antenna transmission mast or underground telecommunication cables ensuring no ingress of water or moisture effecting the quality of the signal.

To complement its specialised dehydrator range, Drallim offer condition monitoring of the dry air and the dehydrator which enables the user to remotely monitor the antenna feeder or cable networks pneumatic system.

Relying on the dependability of the dehydrator alone is not always adequate when so many other factors can affect the integrity of the overall system.

The award winning DRM unit consists of a combined pressure, temperature, humidity, dewpoint and flow transducer unit which is installed between the dehydrator unit and the dry air supply line to either the antenna or cable system. The alarm outputs from the dehydrator unit can also be connected to the DRM unit for remote monitoring of the unit's alarm conditions.

The DRM unit is then connected by WiFi to the local broadband router and via broadband to a remote server with internet access.

The built-in instrumentation can provide continuous performance trend statistics with trend alarms which offer immediate fault detection and predictive indicators which can be used to minimise costs, avoid catastrophic failures and plan scheduled maintenance.

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Dew point, Humidity, Pressure, Temperature and Flow monitoring with real time readings via remote access

FEATURES:

- **HIGH ACCURACY & REPEATABILITY**

  - Measurements to within 2% of full scale.

- **WIRELESS REMOTE ACCESS**

  - WiFi standard interface connects to local router.

  - Web data available on Drallim hosted or internal systems.

- **DEHYDRATOR ALARM MONITORING**

  - Direct connection with the dehydrator alarm outputs.

- **EASY INSTALLATION**

  - Pneumatically connect between the dehydrator and the waveguides dry air supply line.

  - Connect Power.

  - Connect to WiFi.

- **USER INTERFACE AND DATA REPORTING**

  - Web browser access.

  - Intuitive dashboard, quick view health check.

  - Local interface for PC data storage.

  - Web page pdf report generation.

  - Local status indication

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