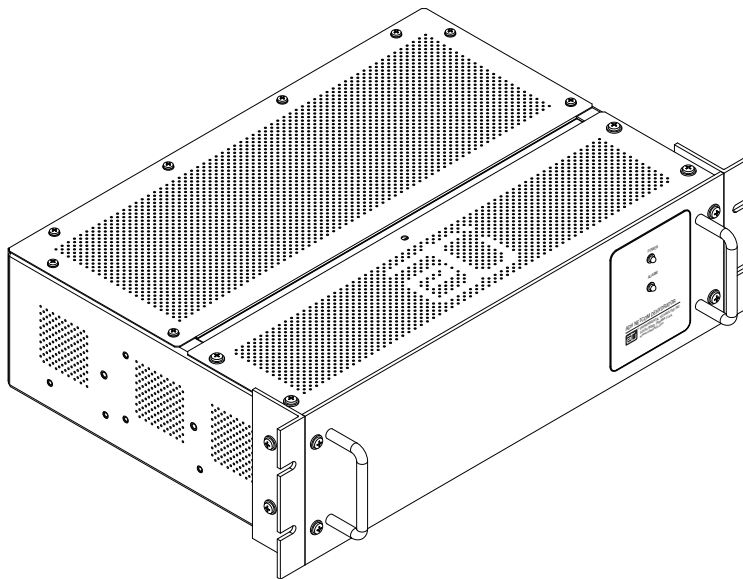


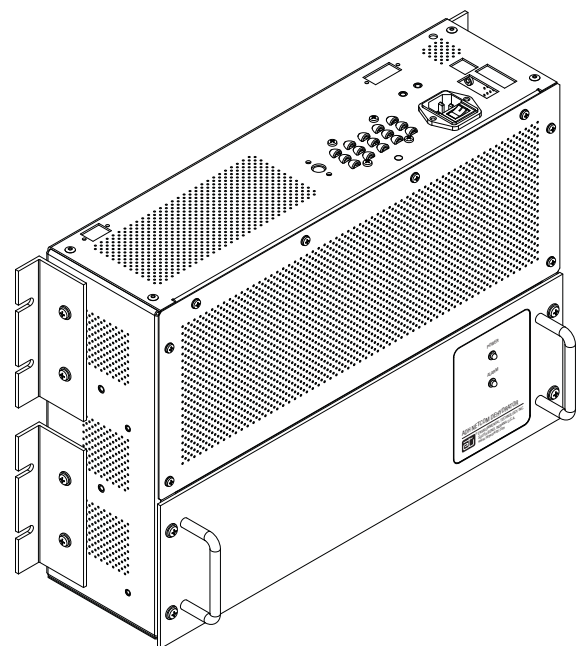


FEATURES & BENEFITS

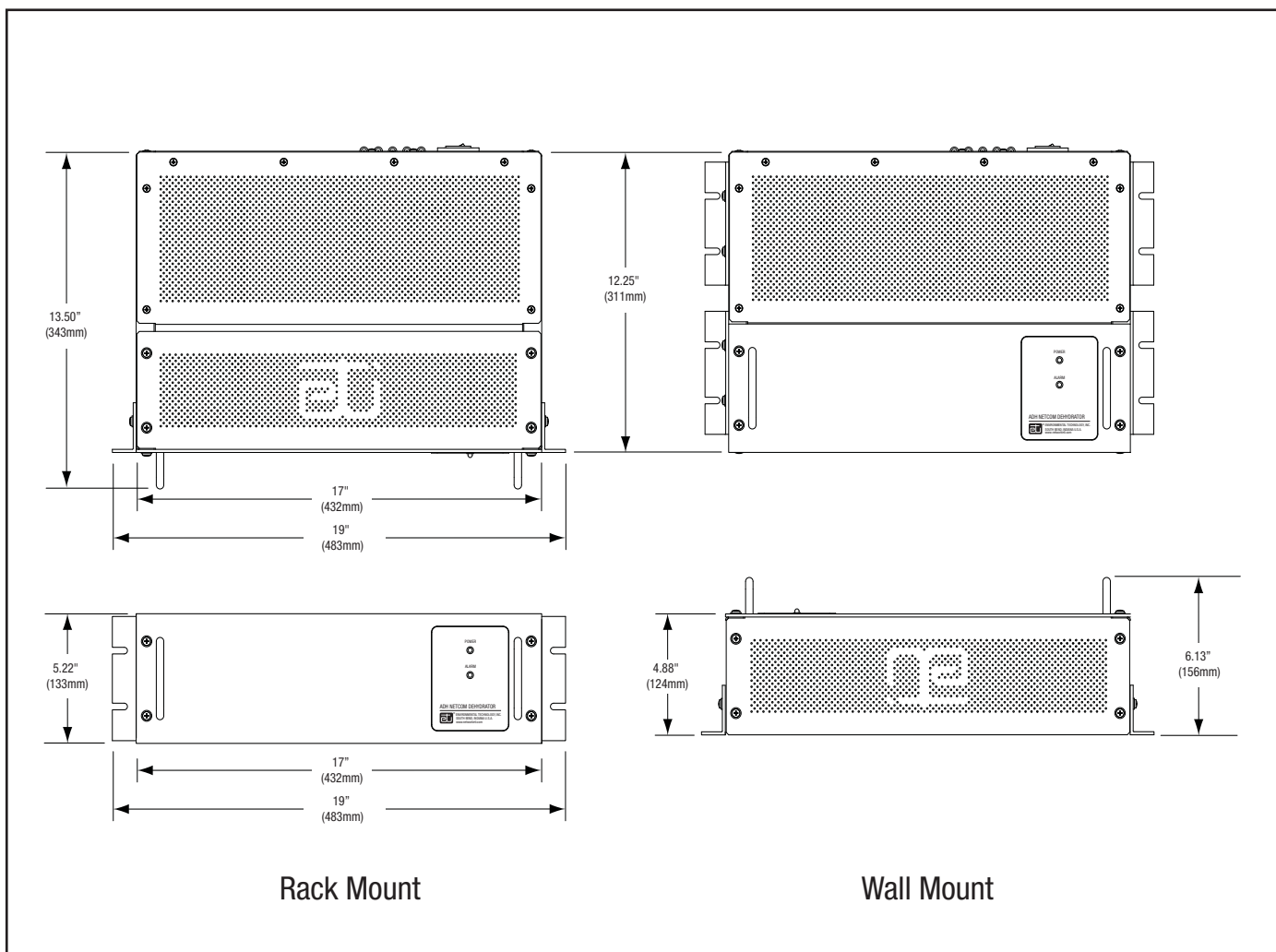
- Provides dry pressurized air to ensure signal quality of antenna waveguide and dielectric coaxial cable
- Highly configurable to meet the needs of wide ranging applications
- Programmable operating pressure range: 0.10 psig - 7.50 psig (7mbar - 517mbar)
- Brushless compressor for long life
- Future-proof software based features allow updates and upgrades while in service
- Remote monitoring and control with web interface or SNMP
- Configurable Master/Slave operation
- Ethernet, RS-422/485, RS-232 and alarm relay outputs for compatibility with nearly any system
- Simple power connections for 100-240 VAC or $\pm 20-75$ VDC
- Small, light weight chassis with multiple mounting options makes installation easy
- Low energy use minimizes operational costs
- Quiet operation



Rack Mount



Wall Mount



Rack Mount

Wall Mount

DESCRIPTION

The ADH NETCOM automatic dehydrator supplies low pressure dry air to keep waveguide and coaxial cable dry. Output pressure is configurable between 0.10 psig and 7.50 psig (7mbar - 517mbar) in 0.01 psig (0.67mbar) increments. Factory default pressure is 0.5 psig (34.5mbar). Operational monitoring and alarms are software based making them highly configurable in the field. Future software features can be installed while in service over the internet or local Ethernet network.

The ADH NETCOM automatic dehydrator is Ethernet network ready. Units can be configured and monitored using either built in SNMP support or the web interface. Legacy system support is provided via RS-422/485 or RS-232

interfaces. Three programmable alarm relays are also included. Communicated operational information includes output pressure, duty cycle, temperature, compressor hours and air drying canister status.

The ADH NETCOM automatic dehydrator uses a brushless dual-diaphragm pump for long life. Dehydrator operates with exceptionally low noise and vibration levels. The air drying canisters use aluminum oxide desiccant for high efficiency. The humidity sensor signals for regeneration based upon current dew point rather than at fixed time intervals for additional energy savings and long desiccant life.

The ADH NETCOM automatic dehydrator requires only 5-1/4" (3-U) of rack space and is just 12" (304.8mm) deep. Mounting hardware allows for

flexible installation options including dual- and single-post rack mounting and wall mounting. The standard unit weighs just 16 lbs (7.26 kg).

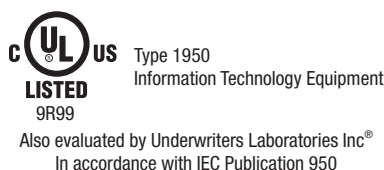
The ADH NETCOM automatic dehydrator operates from 100-240 VAC, 50/60 Hz. Optional units are available at ± 20 -75 VDC. The dehydrator consumes a maximum of 100 watts during regeneration and approximately 40 watts otherwise. Heat dissipated is up to 325 BTU/hr during regeneration and approximately 100 BTU/hr otherwise. This product creates an exceptionally low heat load for an automatic dehydrator.

For complete information describing its application, installation and features, please contact Customer Service or check on the web at www.networketi.com.

SPECIFICATIONS

General

Approvals



Regeneration Method	Automatic, demand
Maximum dew point	-40° F/C

Enclosure

Dimensions	17" × 12" × 5-1/4" (432mm × 305mm × 133mm)
Weight	16 lbs (7.26 kg)
Mounting	Dual-post rack, flush mounted Single-post rack, center mounted Wall mounted

Power

Supply	100-240 VAC, 50/60 Hz ±20-75 VDC
Maximum current	1.0 Amps at 100 V
Power usage	40 W typical, 100 W max
Heat dissipation	100 BTU/hr typical, 325 BTU/hr max

Output

Flow rate	25.4 scfh (12 lpm)
Maximum pressure	7.5 psig (517mbar)
Internal safety relief valve	8 psig (552mbar)
Discharge port	1/8" NPT 3/8" or 1/4" hose barb (both included)
Display units	SI (millibars); English (psig), default

Control

Protocols	HTTP (Web Interface), SNMP, UDP, TFTP
Maximum pressure	Configurable Range: 0.20 psig - 7.5 psig (14mbar - 517mbar), Default: 0.50 psig (34.5mbar)
Minimum pressure	Configurable Range: 0.10 psig - 7.4 psig (7mbar - 510mbar), Default: 0.30 psig (21mbar)
Low pressure alarm level	User Configurable, Default: 0.15 psig (10mbar)
High pressure alarm level	User Configurable, Default 1.5 psig (103.5mbar)
Alarm relays	Contact Type - Form C, SPDT, reverse acting Ratings - 0.25 Amps @ 60 V User configurable, Defaults - Alarm Relay 1: Summary Alarm, Alarm Relay 2: Low Pressure Alarm, Alarm Relay 3: Over Pressure Alarm
Duty cycle alarm	User Configurable, Default: 50%
Master/Slave configuration	User configurable, Default: Standard/Slave

Environmental

Operating temperature	32°F to 130°F (0°C to 55°C)
Storage temperature	-40°F to 150°F (-40°C to 60°C)

ORDERING INFORMATION

Order Number	Description
23437	ADH NETCOM Automatic Dehydrator, 100-240 VAC
23242	ADH NETCOM Automatic Dehydrator, \pm 20-75 VDC, redundant power supply

LIMITED WARRANTY

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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