

239 H2R

FILED - TOWN OF FARMINGTON



HDSL2 LOOP SPECIFICATIONS FOR OPTIMUM OPERATION

- First Segment (Between the H2TU-C and H2R)
 - Cable pairs must be non-loaded
 - No single bridged Tap > 2 kb
 - Total bridged Tap < 2.5 kb
 - Maximum loop resistance is 859 Ω with 199 kHz Insertion loss < 35 dB
 - Pulse attenuation LOSS on HDSL Current System Status Screen(s) 30 dB
 - SNR Margin of 6 dB or higher, with no fluctuation on either loop
 - Impulse noise ≤ 50 dBm as measured using a 50 kb filter
 - Wideband Noise < 31 dBm as measured using a 50 kb filter
 - Internal Clock Accuracy ±25 ppm (seconds Section 4)

Second Segment (Between the H2R and H2TU-B)

- Cable pairs must be non-loaded
- No single bridged Tap > 2 kb
- Total bridged Tap < 2.5 kb
- Maximum loop resistance is 749 Ω with 199 kHz Insertion loss < 31.25 dB
- Pulse attenuation LOSS on HDSL Current System Status Screen(s) 27 dB
- SNR Margin of 6 dB or higher, with no fluctuation on either loop
- Impulse noise ≤ 50 dBm as measured using a 50 kb filter
- Wideband Noise < 31 dBm as measured using a 50 kb filter
- Internal Clock Accuracy ±25 ppm (seconds Section 4)

UNIT RESISTANCE

Measurements are with no power applied
H2R 238 = Open circuit

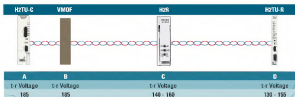
WARRANTY

Warranty for Carrier Networks products manufactured by Adtran and supplied under Buyer's order for use in the U.S. is ten (10) years. For a complete fullback copy of ADTRAN's U.S. and Canada Carrier Networks Equipment Warranty: 877.857.5007, Document # 434.

COMPLIANCE

This product complies with UL 1950, third edition. It is intended for installation in restricted access locations only and in equipment with a Type "B" or "C" installation code. Ensure chassis ground is properly connected.

Code	Input	Output
Power Code (PC)	C	C
Telecommunication Code (TC)	X	X
Installation Code (IC)	A	-



ADTRAN 238 REPEATER HOUSINGS				
PART #	Description	HDR Capacity	CLR CODE*	Material
119020L1	4-slot Air Shk	100*	00MVA011WA	Stainless Steel
119020L2	4-slot Gal Shk	100*	00MVA011WA	Stainless Steel
119210L3	2-slot Gal Shk	100*	00MVA011WA	Velux Plastic
119210L4	2-slot Air Shk	100*	00MVA011WA	Velux Plastic
119005L1	4-slot Air Shk	100*	00MVA011WA	Stainless Steel
119005L2	4-slot Gal Shk	100*	00MVA011WA	Stainless Steel
119205L1	2-slot Air Shk	8	00MVA011WA	Stainless Steel
119005L2	2-slot Gal Shk	8	00MVA011WA	Stainless Steel
119011L1	16-slot Air Shk	100*	00MVA011WA	Stainless Steel
119011L2	16-slot Gal Shk	100*	00MVA011WA	Stainless Steel

H2R 238 DEPLOYMENT IN OTHER HOUSINGS				
Company	Description	HDR Capacity	CLR CODE*	Material
		Max Speed	Min Speed	
112 Style				
AT&T, KapTel, ADADOM	26-slot	73.0*	100*	Polymer
SPC/MC Radiator II	16-slot Air Shk	95	18	Stainless Steel
SPC/MC Radiator II	16-slot Gal Shk	16	18	Stainless Steel
AT&T, KapTel	12-slot Air Shk	73.0*	100*	Polymer
ADADOM	12-slot Air Shk	73.0*	100*	Polymer
ADADOM	12-slot Gal Shk	73.0*	100*	Polymer
ADADOM	16-slot Air Shk	73.0*	100*	Polymer
ADADOM	16-slot Gal Shk	73.0*	100*	Polymer
430 Style				
Antex/Marin	8-slot Air Shk	73.0*	100*	Polymer

*H2R capacity testing is in progress, and results will be available in Q4 2007.