

HRE / T200

CLR: T1180TTO



STATUS LEDs

- PWR**
- OFF: No open power is present
 - GREEN: Open power is present
- NET UP/NET LPS**
- OFF: No sync with the HRE-C on NET LPS/LPS
 - GREEN: Sync with good signal quality
 - YELLOW: Sync with marginal signal quality
 - RED: Sync with poor signal quality
- CUST UP/CUST LPS**
- OFF: No sync with the HRE-A on CUST LPS/LPS
 - GREEN: Sync with good signal quality
 - YELLOW: Sync with marginal signal quality
 - RED: Sync with poor signal quality
- LOOPBACK**
- YELLOW: HRE network loopback is active
 - GREEN: HRE customer loopback is active

LOOPBACK

- During a loopback toward the network all NET and CUST LPS/LPS LEDs remain solid. LRB LED is solid yellow.
- During a loopback toward the customer all NET and CUST LPS/LPS LEDs remain solid. LRB LED is GREEN. The DGL LED on the HRE-A flashes during this loopback.

CARD EDGE PIN ASSIGNMENTS

1	Classical Ground
5	HDSL Loop 1 Tip (Customer)
7	HDSL Loop 1 Tip (Network)
11	Classical Ground
13	HDSL Loop 1 Ring (Network)
15	HDSL Loop 1 Ring (Customer)
17	-48 V Return (Ground)
21	Classical Ground
41	HDSL Loop 2 Tip (Network)
43	HDSL Loop 2 Ring (Network)
45	HDSL Loop 2 Ring (Customer)
55	HDSL Loop 2 Tip (Customer)

WIRING DIAGRAM FOR HDSL TECHNOLOGY

CP1	Circuit Pack / Pin #	Cable / Wire	Color For Routing	HDSL / HBE T400 / T200
	5-15	Blue	White	Customer, Loop 1
	7-13	Orange	Red	Network, Loop 1
	41-47	Orange	White	Network, Loop 2
	49-55	Green	Red	Customer, Loop 2
CP2	5-15	Green	White	Customer, Loop 1
	7-13	Brown	Red	Network, Loop 1
	41-47	Brown	White	Network, Loop 2
	49-55	State	Red	Customer, Loop 2
CP3	5-15	Blue	Red	Customer, Loop 1
	7-13	Blue	Black	Network, Loop 1
	41-47	Orange	Black	Network, Loop 2
	49-55	Blue	Yellow	Customer, Loop 2
CP4	5-15	Green	Black	Customer, Loop 1
	7-13	Yellow	Orange	Network, Loop 1
	41-47	Brown	Black	Network, Loop 2
	49-55	State	Black	Customer, Loop 2
	Order Wire	State	White	
	Spine Pair	Green	Yellow	

Note: Wiring information is for bonding 115080LL1, L2 (L1 - wireless cable, L2 - gold-filled core cable).

ADIRAH T200/T400 REPEATER HOUSINGS

Part #	Description	HSE Capacity	CLR CODE*	Material
115080L1	24-slot Pole Mount Gal Steel	24	T1M4UM5RA	Aluminum
115080L2	24-slot Pole Mount Gal Steel	24	T1M4SU0M1RA	Aluminum
115084L1	4-slot Air Stub	4	0DM4D00MA	Stainless Steel Dome
115084L2	4-slot Gal Steel	4	0DM4D00MA	Stainless Steel Dome

■ For a complete Installation and Maintenance Practice (backpack) 8071 467-8007, Document 452. Please have your fax number available. ■

INSERTING THE TAC

For test access using the TAC, insert the TAC into the repeater housing as follows.

Hold card with the index finger through the finger hole viewing the edge of the card so that SW1 is facing to the right. The edge of the card being viewed corresponds to the faceplate of the HRE. Insert card into the slot with the same orientation as the T200 HRE. Test Access Card (TAC), part number 1259065L, or Test Access Module (TAM), part number 1243065L, can be used for testing the slot.

TESTING THE CO PAIRS

LOOPBACK

1. To loopback the circuit put SW1 in the LOOPBACK position. This loops the circuit back to the CO and to the field.

LOOPTHRU

2. To loopthru the CO pairs to the field pairs put SW1 in the LOOPTHRU position. This bridges the circuit pairs.

SHORT

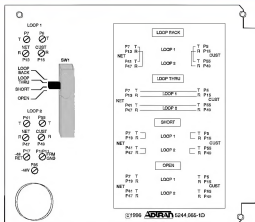
3. To short the CO pairs put SW1 in the SHORT position. This connects transmit to receive on each loop.

OPEN

4. To open the circuit put SW1 in the OPEN position. This allows for a voltage measurement across pairs.

AVAILABLE ADDRESS

Label	Description
P7	LOOP 1 Transmit towards NET
P13	LOOP 1 Receive towards CUST
P5	LOOP 1 Transmit towards CUST
P15	LOOP 1 Receive towards NET
P41	LOOP 2 Transmit towards NET
P47	LOOP 2 Receive towards CUST
P56	LOOP 2 Transmit towards CUST
P49	LOOP 2 Receive towards NET
P17	-48VET
P1	Frame Ground
P11	Frame Ground
P35	-48 volts



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 full-text copy of ADTRAN's U.S. and Canada Carrier Networks Equipment Warranty, (877) 457-5667, Document 414.

COMPLIANCE

This product complies with UL 1564, third edition. It is intended for installation in restricted access locations only and in equipment with a Type "B" or "E" installation code. Ensure chassis ground is properly connected.

Code	UL1564	UL1564
Power Code (PC)	C	C
Interconnection Code (IC)	X	X
Isolation Code (IC)	A	-