

## TRI-C DP/ BR1/10

CLEI:D4CIA9T2

### STATUS LED

STATUS	● RED	No synchronization on either or both Total Reach and T1 interfaces
	● GREEN	Synchronizatin on both Total Reach and T1 interfaces

### HARDWARE SWITCH SW1

**SW1-1: B1 - along with SW1-2 and SW1-3, selects the service level**

**SW1-2: B2**

**SW1-3: D**

Service Option	SW1-1 (B1)	SW1-2 (B2)	SW1-3 (D)
2B+D	On	On	On
2B	On	On	Off
B1+D	On	Off	On
B2+D	Off	On	On
B1	On	Off	Off
B2	Off	On	Off
D	Off	Off	On

**SW1-4: Zero Byte Substitution (ZBS)**

■ Enables or disables ZBS

Note: ZBS must be set the same as the U-BR1TE terminating the T1 carrier facility. For AMI-provisioned carriers, ZBS should be enabled. Setting is optional for B8ZS-provisioned carriers.

### BR1/10 CHANNEL PIN-OUT

Channel Position	Pin	Lead
1	27	R
	2	T
2	29	R
	4	T
3	31	R
	6	T
4	33	R
	8	T
5	35	R
	10	T
6	37	R
	12	T
7	39	R
	14	T
8	41	R
	16	T
9	43	R
	18	T
10	45	R
	20	T

**TR ISDN**

CLEI:DDRPLRC1AA

**STATUS LEDs**

NT1 I/F	● ON	Indicates a loss of signal from or synchronization with the 2B1Q BRI interface towards customer's NT1.
	* FLASHING	Once per second indicates receipt of a Near End Block Error from the 2B1Q BRI interface.
TRI I/F	● ON	Indicates a loss of signal or synchronization with the TRI-C (Total Reach ISDN CO) unit
	* FLASHING	Once per second indicates receipt of a Near End Block Error from the TRI-C unit
LOOPBACK	● ON	Indicates the TRI-R unit is in a 2B+D loopback
	* FLASHING	Once per second for B1 loopback, twice per second for B2 loopback
ACT	● ON	Indicates the terminal equipment has exchanged ACT bits with the ISDN switch
	* FLASHING	Once per second indicates that the ACT bit is being sent from only the terminal equipment (CPE)

**OPTIONS**

- S1-1 SX
  - ON Default and normal condition. Provides between 4 to 10 mA of sealing current toward the customer's NT1/TA.
  - OFF Disables sealing current to the customer's NT1/TA.
- S1-2 TEST
  - ON Used for factory test only.
  - OFF Default and operational mode.

**COMPATIBILITY**

**DEPLOYMENT GUIDELINES**

**TOTAL REACH SC PAM SIDE**

Maximum Loop Loss .....	46 dB @ 20 kHz using a 135 ohm termination
	52 dB @ 28 kHz using a 135 ohm termination
Maximum Noise.....	34 dBm using a 135 ohm termination with a 50 kB filter
Maximum DC Resistance.....	2000 ohms
Maximum Single Bridged Tap.....	2 kft
Maximum Total Bridged Tap.....	6 kft
Maximum # of Bridged Taps.....	3
Nominal Voltage.....	-130 VDC from TIP (GND) to RING (-130 v)

*Note: Bridged Tap length must be included as part of the total loop length.*

**U-INTERFACE SIDE**

Maximum Loop Loss .....	42 dB @ 40 kHz using a 135 ohm termination
Maximum Noise.....	33 dBm using a 135 ohm termination with a 50 kB filter
Maximum DC Resistance.....	1300 ohms
Maximum Single Bridged Tap.....	3 kft
Maximum Total Bridged Tap.....	6 kft
Maximum # of Bridged Taps.....	3
Voltage.....	-48 VDC from TIP (GND) to RING (-48 v)

**T400 EDGE CONNECTOR PIN ASSIGNMENTS**

55	TIP, U-Interface
49	RING, U-Interface
47	RING, Total Reach Interface
41	TIP, Total Reach Interface
27	Frame GND
11	Frame GND

*Note: ISDN connections are not polarity sensitive*