

TRI-C DP/
BR1/10

QLE/DAC/ART2

STATUS LED

STATUS	RED	No synchronization on either or both Total Reach and TI interfaces
	GREEN	Synchronization on both Total Reach and TI interfaces

HARDWARE SWITCH SW1

SW1-1:R1 - along with SW1-2 and SW1-3, selects the service level

SW1-2:R2

SW1-3:R3

Service Option	SW1-1 (R1)	SW1-2 (R2)	SW1-3 (R3)
2B+D	On	On	On
2B	On	On	Off
8B+D	On	Off	On
8B	Off	On	On
R1	On	Off	Off
R2	Off	On	Off
D	Off	Off	On

SW1-4: Zero Rate Substitution (ZRS)

Enables or disables ZRS

Note: ZRS must be set the same as the U-BR/TE terminating the TI carrier facility. For AMR provisioned carriers, ZRS should be enabled. Setting is optional for BR25-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

CLD CONF/CAA

STATUS LEDS

NTU/F	● ON	Indicates a loss of signal from an synchronization with the TRUQ 100 interface towards customer's NTU.
	● FLASHING	Once per second indicates receipt of a Near End Block Error from the TRUQ 100 interface.
TRU/F	● ON	Indicates a loss of signal or synchronization with the TRU4C (Total Reach KRON CSD) unit.
	● FLASHING	Once per second indicates receipt of a Near End Block Error from the TRU4C unit.
LOOPBACK	● ON	Indicates the TRU-R unit is in a TRU-D loopback.
	● FLASHING	Once per second for R1 loopback, twice per second for R2 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 20X	ON	<i>Default and normal condition.</i> Provides between 4 to 30 mA of signaling current toward the customer's NTU/TA.
● S1-2 TRU/F	OFF	Disables signaling current to the customer's NTU/TA.
● S1-3 TRU/F	ON	Used for factory test only.
● S1-4 TRU/F	OFF	<i>Default and operational mode.</i>

COMPATIBILITY

DEPLOYMENT GUIDELINES

TOTAL REACH SC FANSIDE

Maximum Loop Loss	48 dB @ 20 kHz using a 135 ohm termination
	32 dB @ 20 kHz using a 135 ohm termination
Maximum Noise	34 dBm using a 135 ohm termination with a 50 kHz filter
Maximum DC Resistance	2000 ohms
Maximum Single Bridged Tap	3 ft
Maximum Total Bridged Tap	6 ft
Maximum # of Bridged Taps	3
Nominal Voltage	136 VDC from TRP (DND) to RING (-130 v)
<i>Notes: Bridged Tap length must be included as part of the total loop length.</i>	

U-INTERFACE SIDE

Maximum Loop Loss	42 dB @ 40 kHz using a 135 ohm termination
Maximum Noise	37 dBm using a 135 ohm termination with a 50 kHz filter
Maximum DC Resistance	1300 ohms
Maximum Single Bridged Tap	3 ft
Maximum Total Bridged Tap	6 ft
Maximum # of Bridged Taps	3
Voltage	45 VDC from TRP (DND) to RING (-10 v)

T430 EDGE CONNECTOR PIN ASSIGNMENTS

25	TRP U-Interface
49	RING U-Interface
47	RING, Total Reach Interface
41	TRP Total Reach Interface
27	Frame GND
11	Frame GND

Note: ISDN connections are not polarity sensitive.