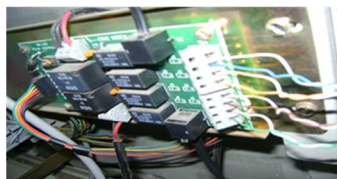


HBL NIFE DATALOGGER

HBL NIFE Network Arrangement at Way Station



TX and RX wire of Originating and Answering modem channels from OFC Equipment room terminated at RRT Card (Rear Side of the Equipment).



RJ11 (4 wire Pin out) is connected from RRT card to Line in port in Modem. The serial port DB 25 pin out is connected to the DB 9 pin in the communication card.



From the Answering Modem and Originating Modem out is terminated at COM1 and COM2 port of the communication card at Slot no.1 of the equipment

MODEM INDICATIONS



Indication	Definition	Answering modem	Originating modem
HS	Hand Shake	ON	ON
CE	Communication Error	ON	ON
OH	OFF Hook	ON	ON
CD	Carrier Detect	ON	ON
AA	Auto Answer	ON	OFF
RD	Receive Data	ON Blinking	Blinking
TD	Transmit Data	Blinking	Blinking
TR	Transmit Ready	ON	ON
MR	Modem Ready	ON	ON

Communication/Channel failure

CD Indication OFF means All indications OFF

If CD ON, channel is working normal, If CE Blinking, channel error/noise

DUMP/SMART SWITCH

On Normal working, switch should be kept on dump side

Switch on smart mode: To edit profile of modem by using hyper terminal

Indications at Communication card at Normal Working

SD – Send Data – Blinking

RTS – Ready to send – ON

RD – Receive Data – Blinking

CD – Carrier detect – ON

To check modem parameter in hyper terminal mode

Connect modem in hyper terminal at PC type ' AT& V'

The following parameters shown in

B8 E1 L2 V1 &L1 &P1 &R1 &X1 &SO %P1 /Q0 /NB

These conditions should be shown, if any changes or particular item, then type

At B8 (If B8 not available or changed)

At &L1 (If &L1 not available or changed)

For Answering modem S00 = 01, For Originating modem S00=00

To change originate to answering type At S00=01

To Save Exit : AT & W0 &W2

Data Storage

1 lakh data stored in Processor Card (Slot No.2)

10 Lakh data stored in FEP

To view network status in PC

Desktop – HBL DLE Server

Health of Communication Line

ID No	Station	Status	Last date Received
356	TUP		01/06/2014 15:30:50

Status Red : No Communication, Status Green : Communication OK

In Communication Card

COM – 3 - To connect local printer

Com 4 }
Com 5 } - used to connect FEP or T Network
Com 6 }

To By-pass the modem

Power Supply of the RRT Card to be removed to by pass the channel