



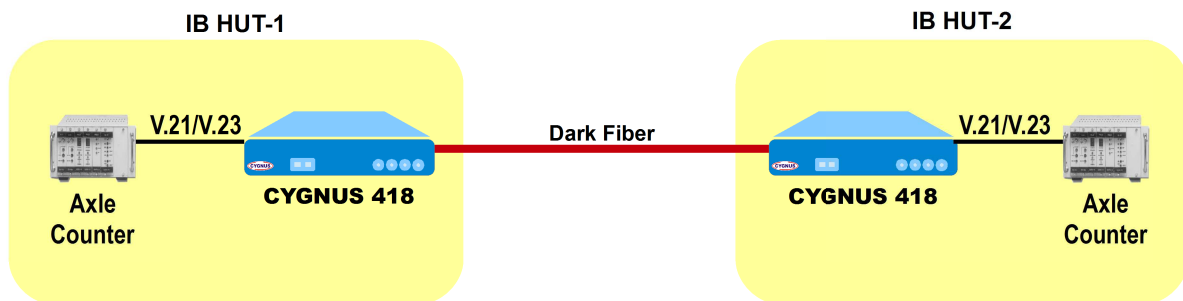
CYGNUS 418

FSK to OFC MEDIA CONVERTER

FEATURES

- Operates in pairs on a dedicated optical fiber link (Dark Fiber) to interconnect the analog modem interface across the link
- Driving range: Upto 20 km on single mode optical fiber. Higher range available as an ordering time option
- The analog FSK interface provided on the unit is compatible with ITU-T V.21/V.23 and allows transport of full-duplex voice band analog modem signals on 2 wires.
- Power Supply options for 24 VDC or 48 VDC while ordering
- Front panel indicators for displaying unit status
- Manufactured using industrial temperature grade components.
- Suitable for Axle Counter, UFSBI interconnection in IB signalling

Typical Application: Intermediate Block Section (IBS) Signalling



Interconnection of Digital Axle Counter over Dark fiber for IB signalling

SPECIFICATIONS

OPTICAL FIBER PORT-

Fiber Type: Single mode
 Range: Up to 20 km on single mode fiber
 Connector: SC Bi-Di
 Wavelength: Bi-Directional operation: 1310 nm / 1550 nm
 Mounting: Ordering option for 1x9 Fixed or SFP (pluggable)

Operating Temperature Range: -10°C to +55°C (Industrial temperature grade components used)
 Humidity: 0 – 85% RH. non condensing

FSK PORT

Interface: 2-wire analog voice band interface compatible with ITU-T V.21/V.23. 600 ohm characteristic impedance. Transformer coupled
 No. of port: 1
 Connector: Screw Type

ORDERING INFORMATION:

Ordering Code: **CYGNUS 418 A/B/C**

"A" specifies type of fiber transceiver mounting Specify one of the following:

- "1X9" for fixed 1x9 type of transceiver
- "SFP" for pluggable transceiver interface

"B" specifies the FSK interface. Specify one of the following:

- "V21" for V.21 compatible interface
- "V23" for V.23 compatible interface

"C" specifies input power supply option. Specify one of the following:

- "DC24" for 24 VDC
- "DC48" for 48 VDC

FRONT PANEL INDICATORS

LED Indicators: Power, Fiber Link Status

GENERAL

Size: 240 mm (w) x 180 mm (d) x 45 mm (h)
 Power input: Ordering option for 24 VDC or 48 VDC

Specifications are subject to change without notice

Ref.: 221122



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