

INSTALLATION AND OPERATION MANUAL

FVT/FVR1D1(M,S)1[/M]

FVR2D2(M,S)2

DIGITALLY ENCODED VIDEO WITH BI-DIRECTIONAL DATA AND SIMPLEX CONTACT CLOSURE

The ComNet™ FVT1D1[/M] video transmitter, along with the FVR1D1 and FVR2D2, supports the transmission of digital video transmission and bi-directional RS422 or 2- or 4-wire RS485 data channel over multimode or single mode optical fiber(s). When the unit is operated in the RS422 2-wire data mode, a simplex contact closure channel is available. This module is universally compatible with major CCTV camera manufacturers. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

Each unit incorporates a bi-color (Red/Green) indicating LED for monitoring proper system operation. See **Figure 9** on **Page 6** for LED Indicator explanations.

The ComFit units in this series may be directly plugged into the ComNet Rack (Part C1) or may be either wall-mounted, rack-mounted, or DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. The small-size FVT1D1/M transmitters are ideal for locations where space is at a premium and are surface mount only. See **Figure A** on **Page 8** for mounting instructions.

See **Figures 1 - 12** for complete installation details.

FIGURE 1 - FVT1D1 TRANSMITTER

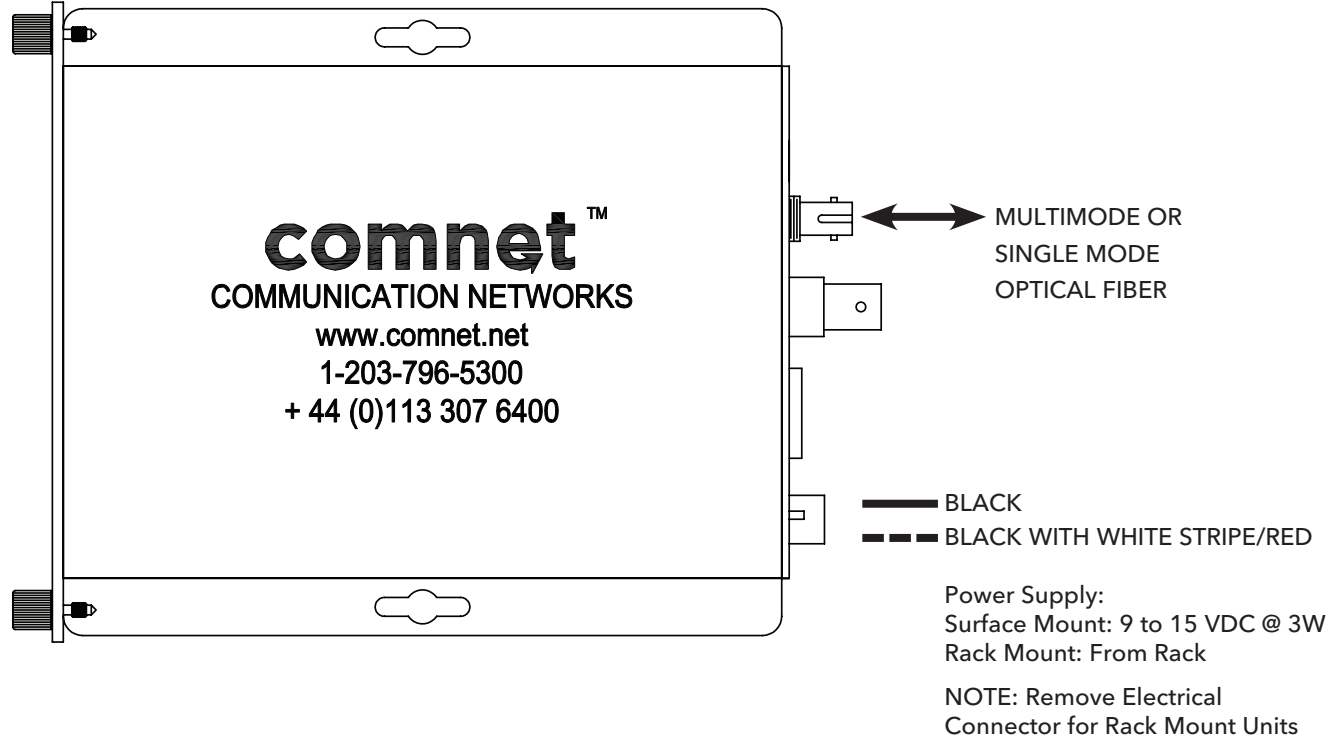


FIGURE 2 - FVT1D1 TRANSMITTER

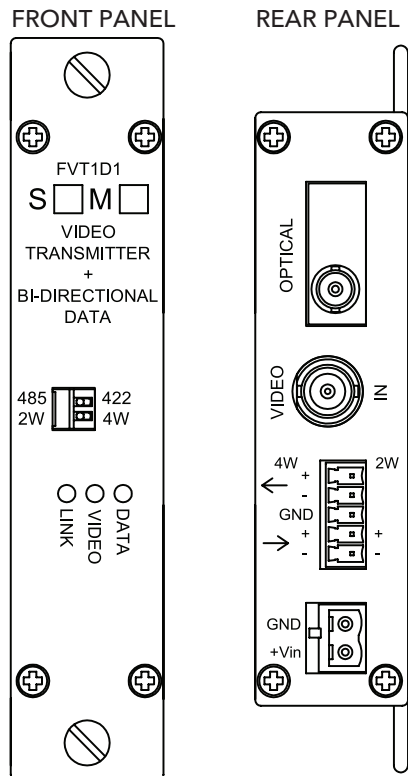


FIGURE 3 - FVR1D1 RECEIVER

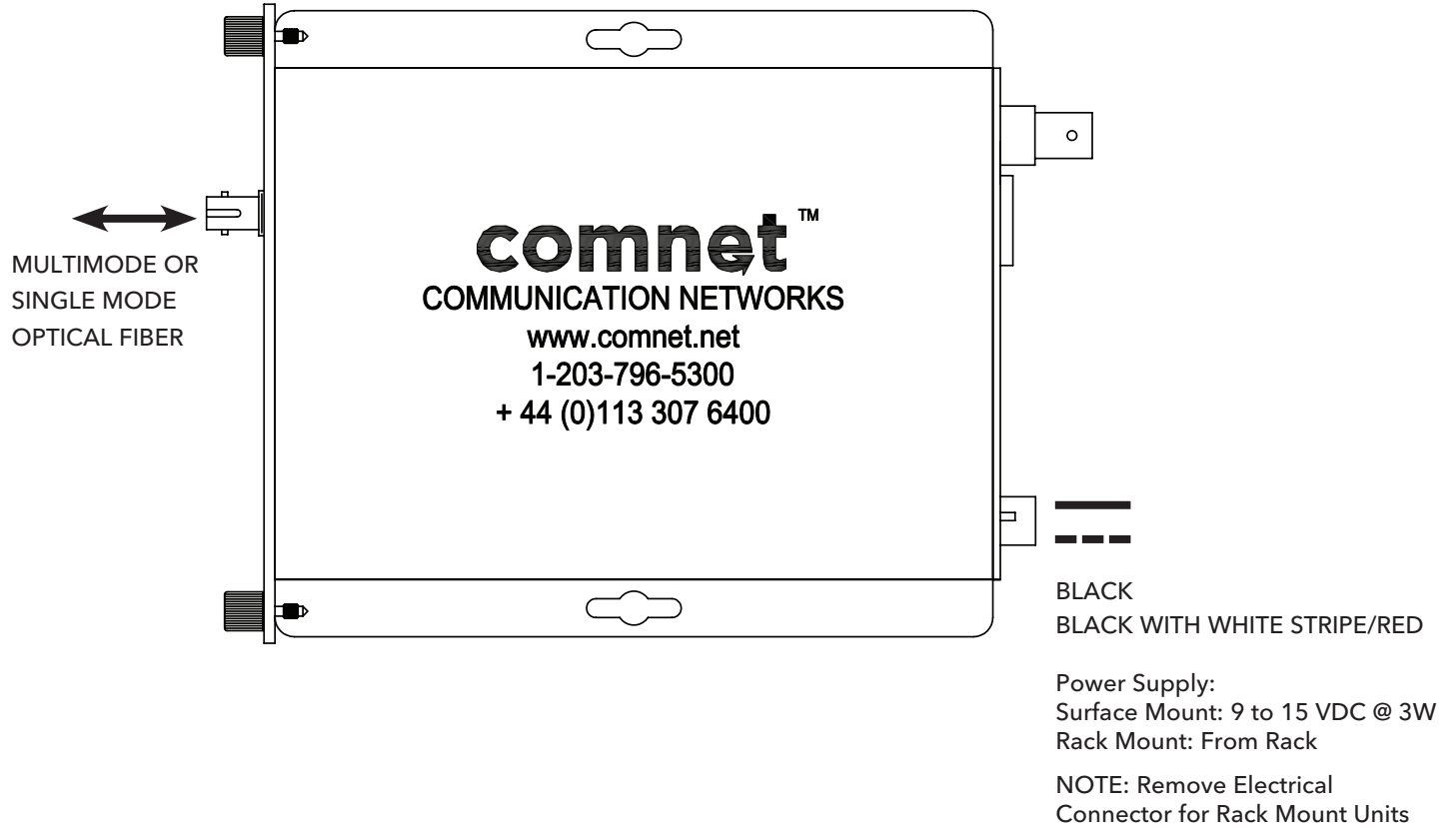


FIGURE 4 - FVR1D1 RECEIVER

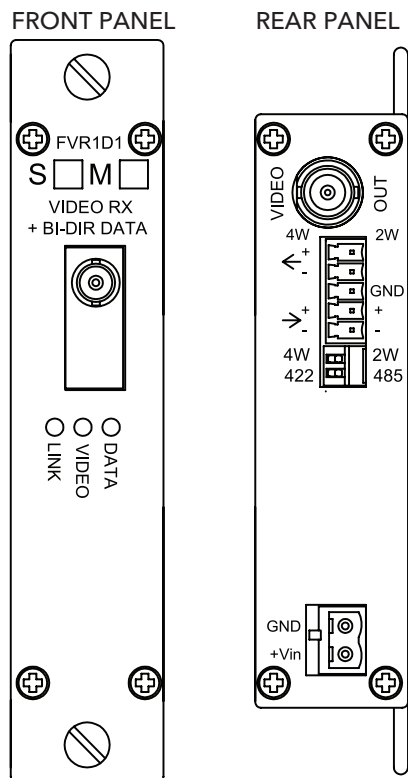


FIGURE 5 - FVR2D2 RECEIVER

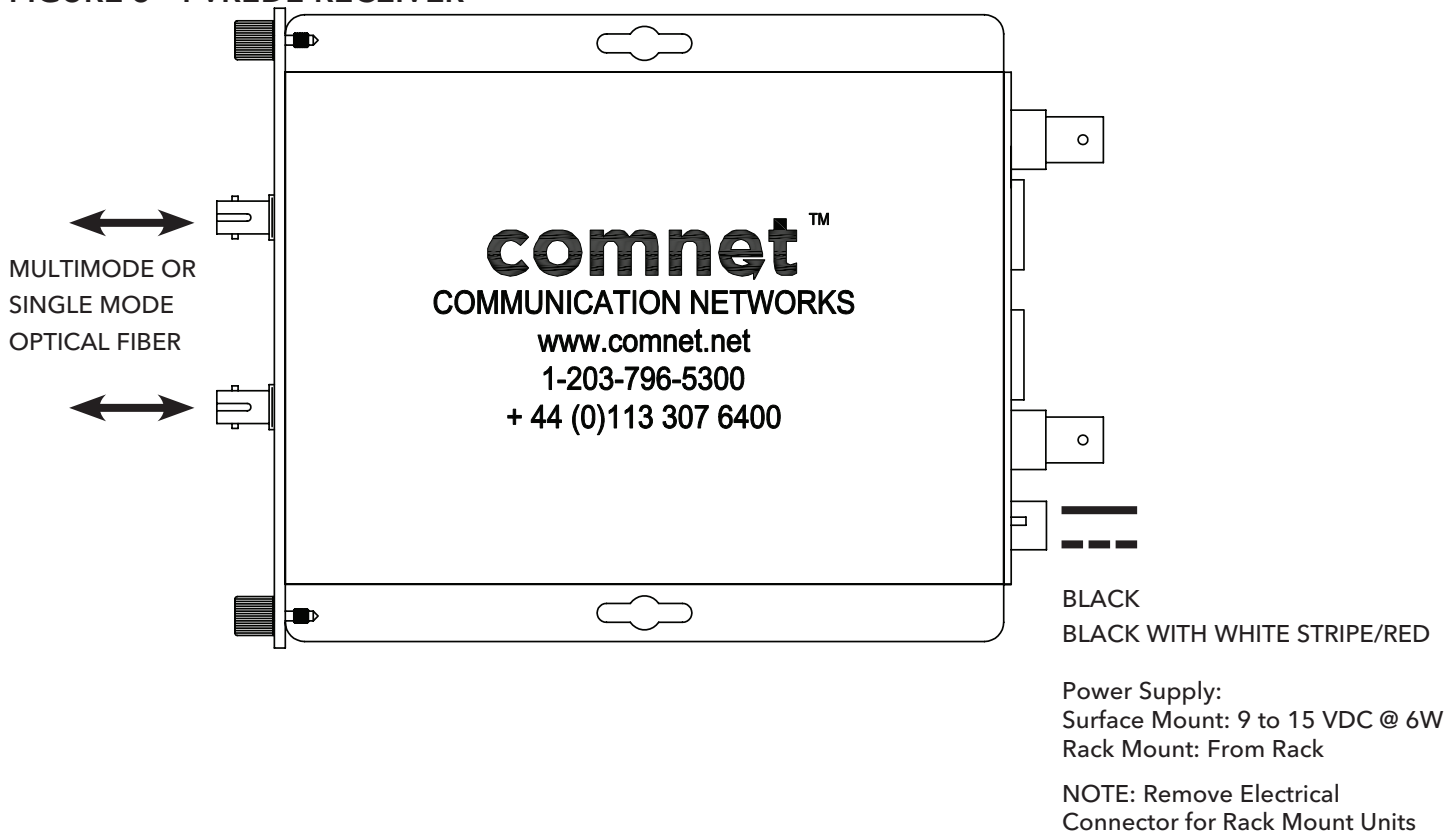


FIGURE 6 - FVR2D2 RECEIVER

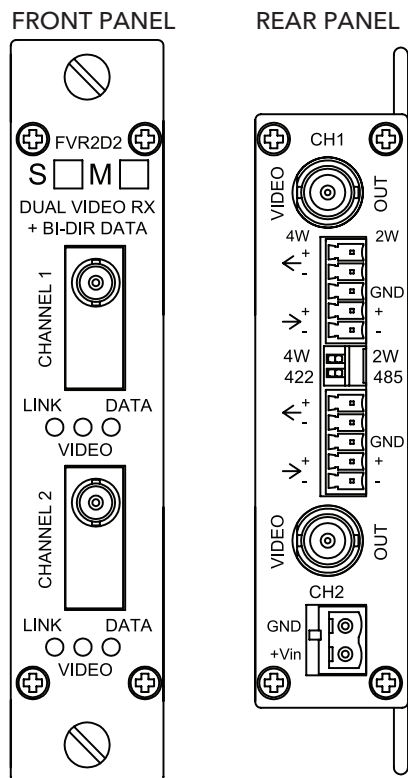


FIGURE 7 - FVT1D1/M TRANSMITTER

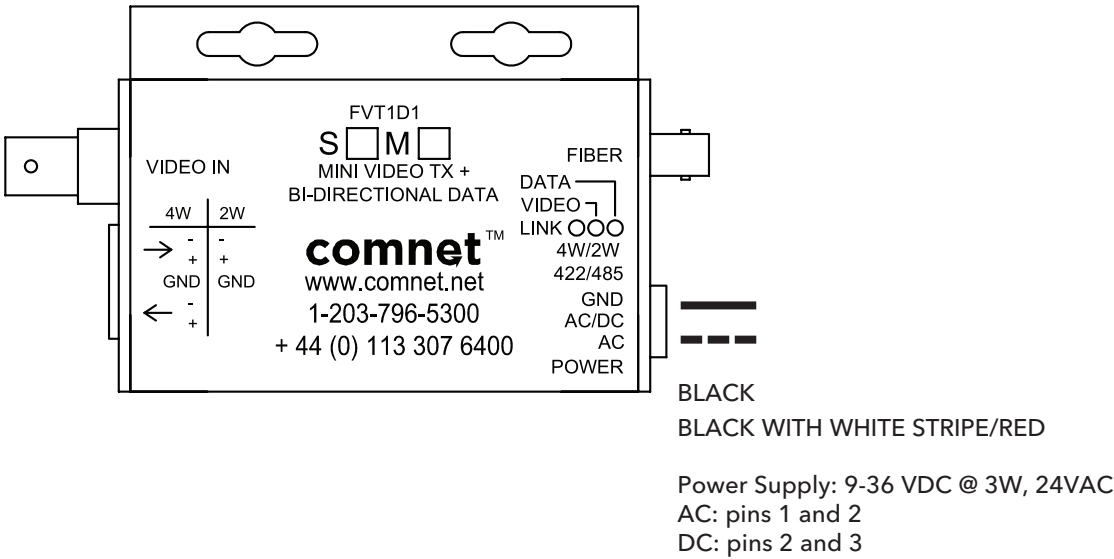


FIGURE 8 - FVT1D1/M TRANSMITTER

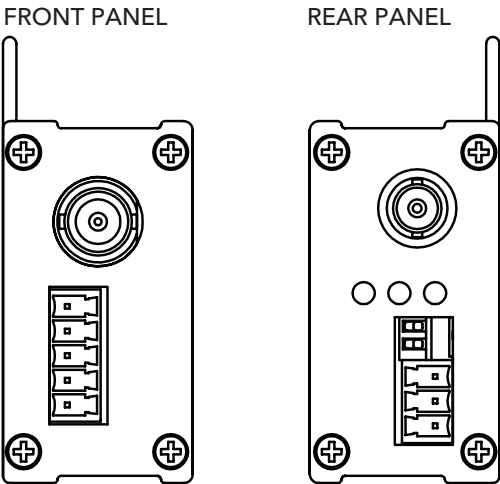


FIGURE 9 - LED INDICATORS

	LINK	VIDEO	DATA
GREEN	Communication link has been established over optical fiber	An active video signal is present on the BNC connector	An active data signal is present on the input pins of the data connector
RED	Communication link has not been established	-	-
OFF	Unit Powered Down		

FIGURE 10 - DIP SWITCH SETTINGS

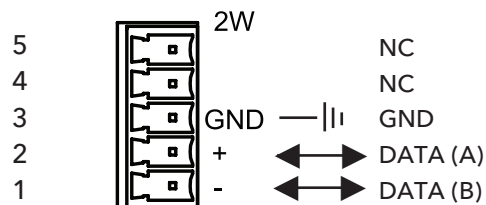
485 422
2W 4W



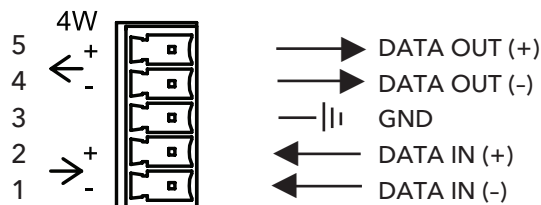
Mode	Data Switch Position	Wire Switch Position
2 Wire RS485	485	2W
RS422 Simplex + Contact Closure	422	2W
4 Wire RS485	485	4W
4 Wire RS422 Duplex	422	4W

FIGURE 11 - TRANSMITTER DATA CONNECTIONS

RS485/2W



RS485/4W OR RS422/4W



RS422/2W + CONTACT CLOSURE

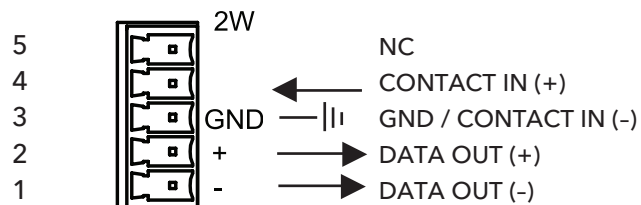
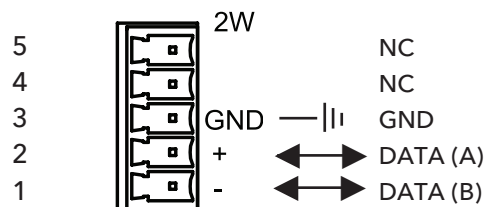
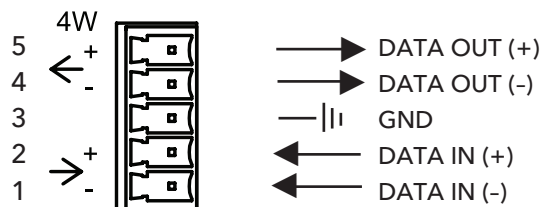


FIGURE 12 - RECEIVER DATA CONNECTIONS

RS485/2W



RS485/4W OR RS422/4W



RS422/2W + CONTACT CLOSURE

