



INSTALLATION AND OPERATION MANUAL

FVR1C1B(M,S)1

8-BIT DIGITALLY ENCODED VIDEO RECEIVER WITH CONTACT CLOSURE

The FVR1C1B receives one channel of video and contact closure over optical fiber utilizing state-of-the-art 8-bit digital decoding for high-quality video transmission. These units are completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera systems. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

Bi-color (Red/Green) LED indicators are provided for rapidly ascertaining equipment operating status. See **Figure 4** on **Page 3** for an explanation of LED indicators.

These units may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. See **Figure A** on **Page 4** mounting instructions.

See **Figures 1 – 3** for complete installation details.

FIGURE 1 – FVR1C1B1 RECEIVER

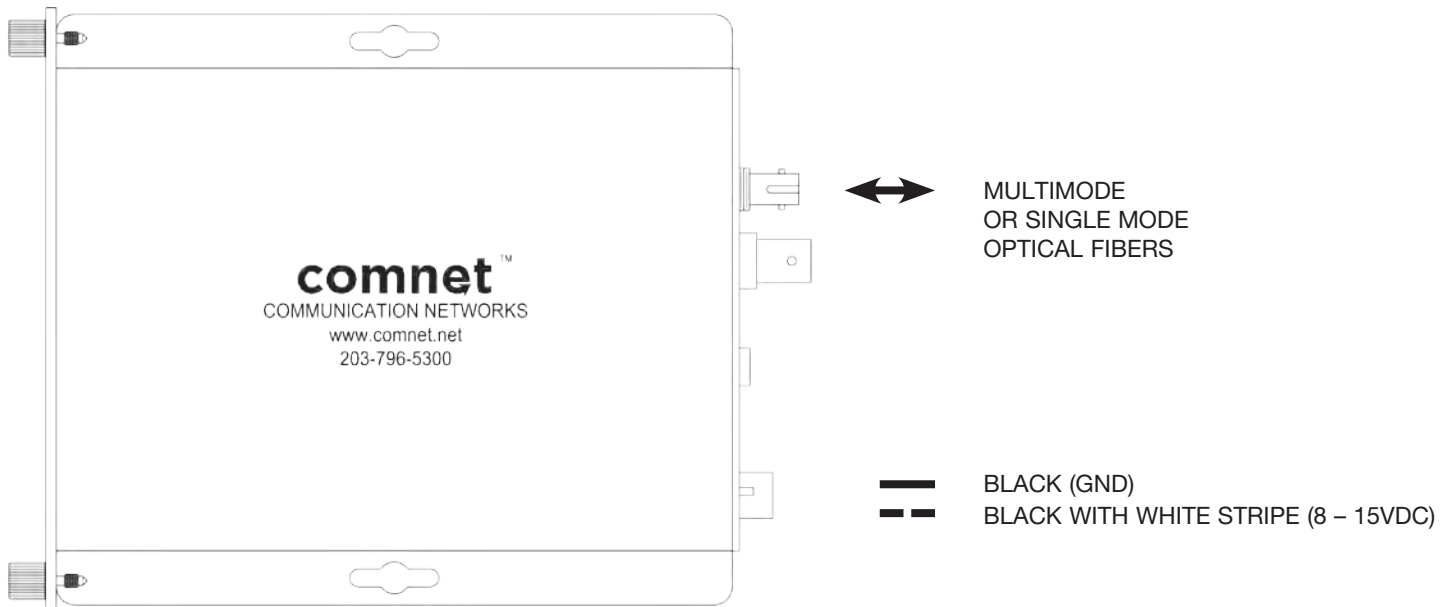


FIGURE 3 – FVR1C1B1 RECEIVER

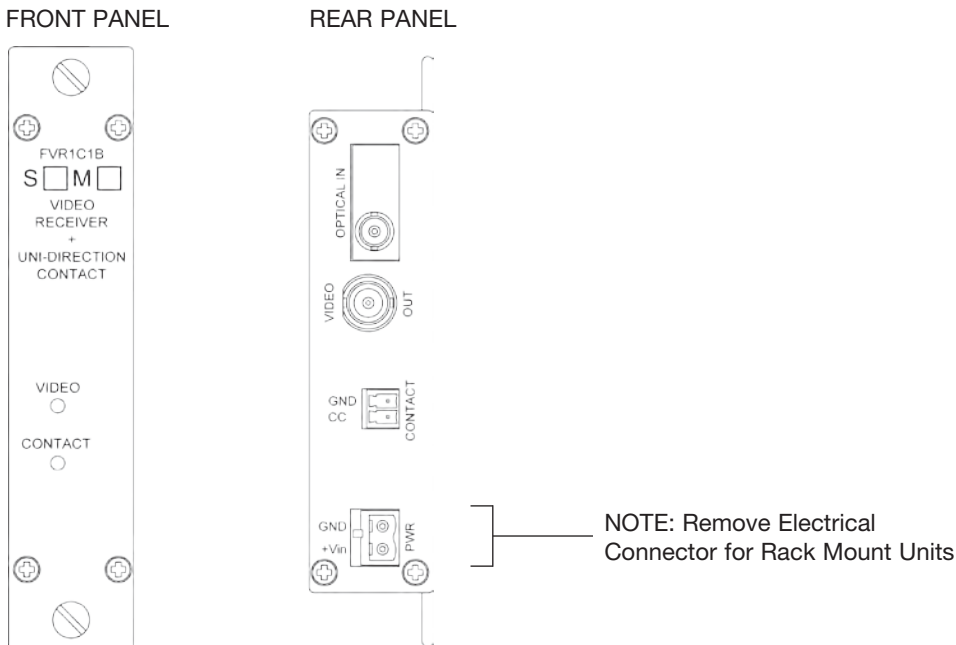
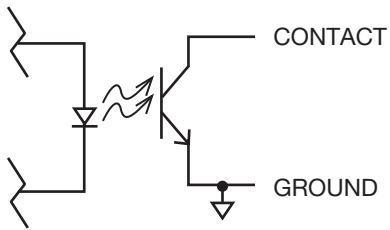


FIGURE 3 – LED INDICATORS

	VIDEO	CONTACT
GREEN	Video signal is present	Contact Closed
RED	No video signal is present	–
OFF	–	Contact Open

FIGURE 4 – CONTACT SETTINGS

Open Circuit \leq 30 VDC
 Closed Current \leq 500 mA



MECHANICAL INSTALLATION INSTRUCTIONS

INSTALLATION CONSIDERATIONS

This fiber-optic link is supplied as a Standalone/Rack module. Units should be installed in dry locations protected from extremes of temperature and humidity.

C1-US, C1-EU, C1-AU OR C1-CH CARD CAGE RACKS

CAUTION: Although the units are hot-swappable and may be installed without turning power off to the rack, ComNet recommends that the power supply be turned off and that the rack power supply is disconnected from any power source. **Note:** Remove electrical connector before installing in card cage rack.

1. Make sure that the card is oriented right side up, and slide it into the card guides in the rack until the edge connector at the back of the card seats in the corresponding slot in the rack's connector panel. Seating may require thumb pressure on the top and bottom of the card's front panel.

CAUTION: Take care not to press on any of the LEDs.

2. Tighten the two thumb screws on the card until the front panel of the card is seated against the front of the rack.

WARNING: Unit is to be used with a Listed Class 2 or LPS power supply rated 9-12 VDC @ 1A.

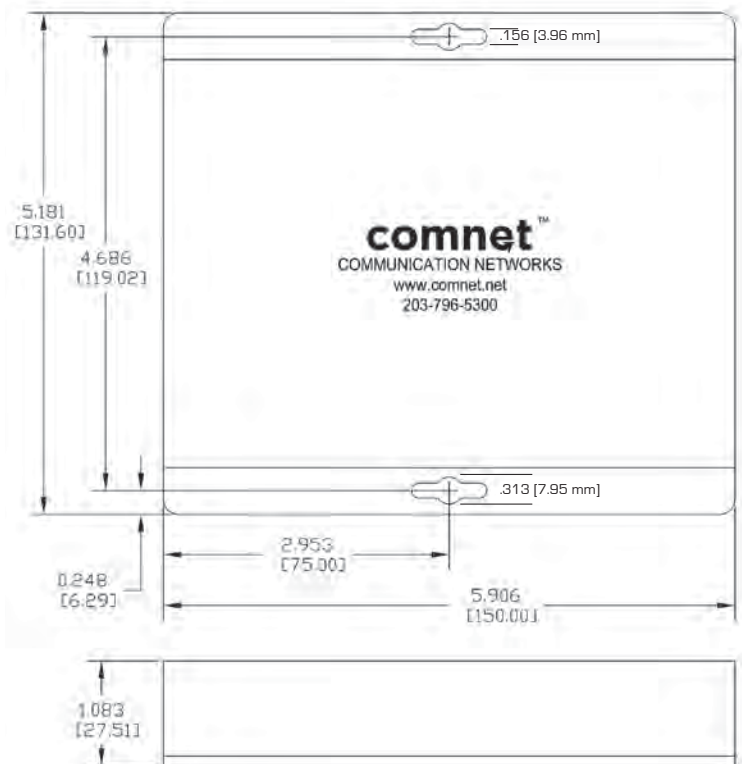
IMPORTANT SAFEGUARDS:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

FIGURE A

Dimensions are for a standard ComNet one slot module



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