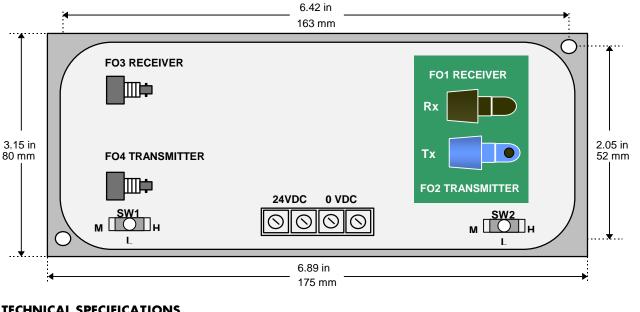


## L5206-2-02 Acrylic/Glass LINK Repeater

## **GENERAL DESCRIPTION**

The L5206-2-02 LINK Repeater receives data over acrylic fiber optic medium and retransmits it in the glass fiber optic medium on the LINK fiber optic network. It can also be used to convert glass medium data to acrylic. The LINK Repeater is housed in a NEMA 4 enclosure suitable for mounting outside equipment enclosures or in unprotected environments.

The L5206-2-02 supports the transmission of two LINK channels. Either a primary and secondary channel pair, or two discrete primary channels may be retransmitted.



TECHNICAL	SPECIFICATIO

TECHNICAL SPEC	IFICATIONS				
Environmental		Fiber Optic Channels			
Operating temperature	0°C to 50°C	Acrylic Medium	Insert and twist connector. 1000 micron core fiber with 2mm acrylic jacket fiber optic cable ST type connector. 62.5 or 200 micron core glass fiber optic cable		
Storage temperature	-10 °C to +70 °C				
Humidity	85% R.H. in a dry, non-condensing environment	Glass Medium			
Enclosure Rating	NEMA 4, IP-66	Transmission Distance	Selected by toggle switches. SW1(controls FO4		
	(with appropriate waterproof 1/2 inch NPT fittings)		glass transmitter ) and SW2 (controls FO2 acrylic transmitter)		
Supply			<u>Acrylic</u>	Glass	
Supply Voltage	20 to 28 VDC (24VDC nominal)		<u>Acrylic</u> 1000 mic	62.5 mic	200 mic
Current Consumption	55 mA maximum	LOW (center position)	20 m	200 m	1000 m
Power Dissipation	1.5 Watts maximum	MEDIUM (left position)	40 m	200 m	1000 m
Power Terminals	14 to 22 gauge (0.5 to 1.5 mm²) wire size	HIGH (right position)	60 m	1500 m	3000 m
		Physical			
		Height	6.89 inches (17	75 mm)	

Width

Depth

Weight

3.15 inches (80 mm)

2.32 inches (59 mm)

1.35 lbs (0.61 kg)



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## CONNECTION DIAGRAMS

The fiber optic cable connections for each channel are shown below. Note that the arrow denotes the direction of transmission in the fiber, from transmitter to receiver. Each channel is completely independent and hence, can be used eitheras a primary or a secondary channel.

