

ECT099 SIX CHANNEL CONTACT CLOSURE DATA OPTICAL LINK



ECT099 system provides six channel simplex or duplex high performance link for transmitting six contact closure data signals over a fiber optic cable.

The system features quality transmission of data signals with switching time up to 4 msec.

ECT099 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

ORDERING INFORMATION

090E(F)-DTU-M(P)YZ - Contact closure transmitter
 090E(F)-DRU-M(P)YZ - Contact closure receiver
 099E(F)-DXU-M(P)YZ - Contact closure transceiver

E = M for multimode 850nm or 850/1300nm
 = S for singlemode 1310nm or 1310/1550nm
 E(F) = M(13) for multimode 1300nm
 = S(15) for singlemode 1550nm
 U = 1 - 6 for number of channels
 P = 6.5, 12 for power option
 Y = 1, 2 for number of fibers
 Z = FC, ST or SC for optical connectors

FEATURES

- ❑ Up to Six Channel Simplex or Duplex Transmission
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-6 dBm
Receiver Sensitivity	-34 dBm	-37 dBm	-37 dBm
Receiver Sensitivity**	-32 dBm	-34 dBm	-35 dBm
Optical Connectors	ST, SC		FC, ST, SC

* with +/- 1 dBm variation; higher power laser sources are available per special request;

** for six duplex channels with one-fiber configuration.

Channel Capacity	6 channel
Switching Time	Up to 5 msec
Input Signal	Dry contact / TTL / CMOS
Output Signal	Dry contact @ load 120VAC/24W max or 30VDC/1A max
Power Requirements:	
Transmitter	11 - 14 VDC @ 0.1A or 6 - 7 VDC @ 0.2A
Receiver	11 - 14 VDC @ 0.18A or 6 - 7 VDC @ 0.3A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions (without connectors)	157mm (6.16") L, 84mm (3.3") W, 61mm (2.41") H

