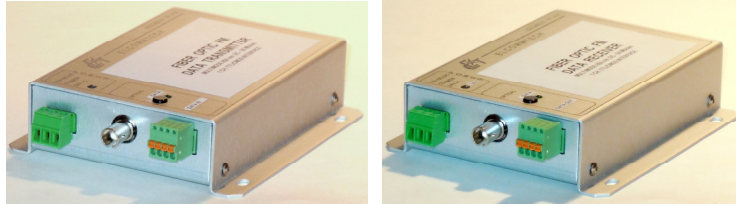# ECT090   TWO / EIGHT CHANNEL CONTACT CLOSURE OPTICAL LINK

FEATURES

- ❑ Two or Eight Channel Simplex Transmission
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

ECT090 system provides two or eight channel high performance unidirectional link for transmitting contact closure data signals over a fiber optic cable.

The system features quality transmission of data signals with switching time up to 5 msec.

ECT090 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

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	-4 dBm
Receiver Sensitivity	-30 dBm	-34 dBm	-36 dBm
Optical Connectors	ST, SC		ST, SC, FC

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

ORDERING INFORMATION

090**E-N**/DT2-**XYZ**

E = **M** for multimode
= **M(13)** for multimode 1300nm
= **S** for single mode receiver or 1310nm transmitter
= **SP** for high power (0 dBm) 1310nm transmitter option
= **S(15)** for single mode 1550nm transmitter
= **S(15)P** for high power (0 dBm) 1550nm transmitter option
= **SD, SPD, S(15)D, S(15)PD** for DFB lasers option
N = **4** for 8 ch. card-module or rack card*
X = **M** for standalone module
= **C** for rack card*
Y = **1, 2** number of fibers for standalone module
= **2, 4** number of fibers for rack card
Z = **ST, SC, FC** for optical connectors

*compatible with USR type chassis

Channel Capacity	2Ch. - for standalone module 8Ch. - for rack card or standalone card-module
Contact Bounce Time	Up to 5 msec
Input Signal	Dry Contact / TTL / CMOS
Output Signal	Dry contact @ 30VDC/24VAC, 1A max
Power Requirements:	
2Ch. Module	11 - 14 VDC @ 200 mA 21 - 27 VAC @ 150 mA
8Ch. Card / Module	11 - 14 VDC @ 400 mA
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Dimensions:	
2Ch. Module	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)
8Ch. Card / Module (w/o connectors)	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
8Ch. Card / Module (with connectors)	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

Note: The specifications are subject to change without notice.

Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235
Tel (718) 743-2869 ⚫ Fax (718)648-3642 ⚫ E-mail sales@elcommtech.com
http://www.elcommtech.com