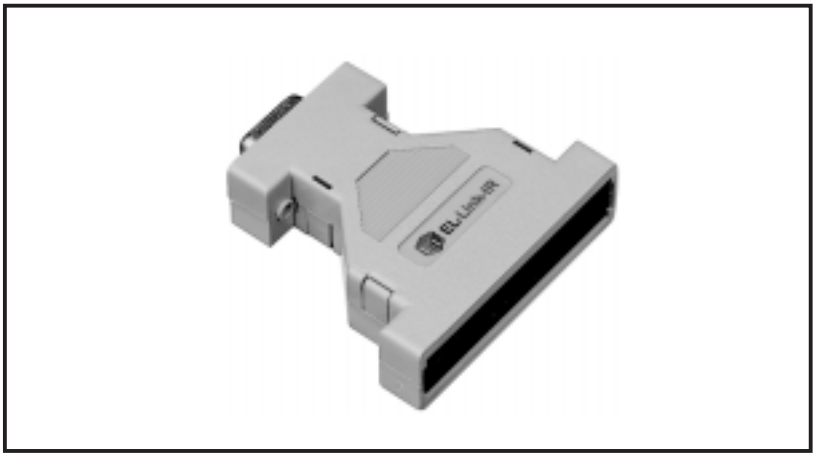
EL-LINK-IR

Self-powered RS232 to InfraRed converter

Part of Lascar's range of InfraRed Products, EL-LINK-IR converts RS 232 data into InfraRed format. This allows an IBM compatible PC or Psion workabout to communicate with other devices without the need for a cable.

To operate, simply plug EL-LINK-IR into the host's serial COM port and point it at the device you wish to communicate with. EL-LINK-IR requires no batteries and is powered from the host's COM port. EL-LINK-IR requires no special software.

- **Uses IrDA Communications Standard**
- **Requires no Batteries**
- **Replaces cables in most applications**
- **9600 Baud Data Transfer Rate**
- CE



Infra-red Communications			Stock Number EL-Link-IR	
Specification	Min	Typ	Max	Unit
Data Rate		9600		bps
Communication Distance [1]	0		1	m
Communication Cone		±15		°
Current Consumption	2	2.3	2.5	mA

Note 1: Under normal lighting conditions.

Powering EL-LINK-IR

EL-LINK-IR draws its power from the handshaking lines of the host's (e.g. laptop PC's, Psion workabout, etc.) RS 232 port. In some circumstances, the computer will continue to provide power to the RS 232 port, even when no programs are running. In order to maximise the host's battery life, unplug EL-LINK-IR when you have finished using it.

Communications Considerations

InfraRed communications can take place at distances between 0 (i.e. "nose to nose") and 1 meter. EL-LINK-IR should be pointed at the device with which it is communicating, without obstacles obscuring its line of sight. At close ranges, small obstacles will not affect the communications link. The InfraRed beam has a cone with an angle of approximately 15° so the two devices do not have to be directly aligned.

Software Considerations

EL-LINK-IR will work with EL-WIN and EL-WS data logging software. It will also work with software applications where no handshaking is required.

Fitting an Extension Cable

An extension cable can be added to EL-LINK-IR, as long as the cable used is of the "straight through" type (i.e. no crossed wires). Both 9-way and 25-way connectors may be used. Do not use EasyLink and null-modem cables.

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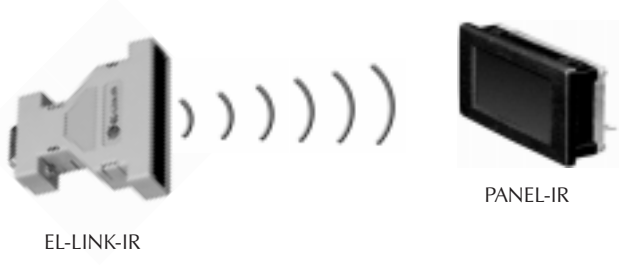
APPLICATION NOTES

EL-LINK-IR & EL-LINK-IR

EL-LINK-IR & PANEL-IR

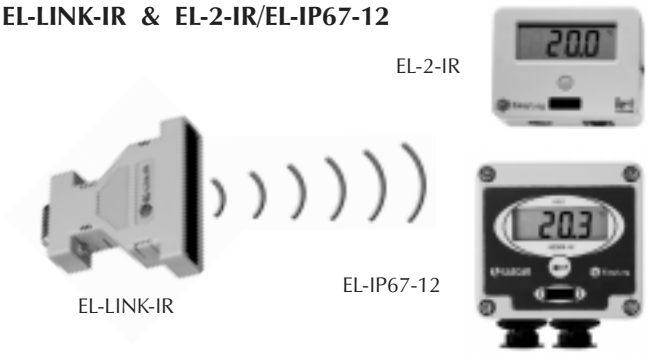


EL-LINK-IR & EL-HL

EL-LINK-IR & PC/LAPTOP

EL-LINK-IR & PSION WORKABOUT

EL-LINK-IR & EL-2-IR/EL-IP67-12



EL-LINK-IR & EL-1 & PANEL-IR

EL-LINK-IR & EL-1-12BIT & PANEL-IR