



DIGITAL MINI-LINK

- ◆ **Low Cost**
- ◆ **Low Power Consumption**
- ◆ **Control Lights, Pumps, Valves**
- ◆ **License Free Spread Spectrum Radios**

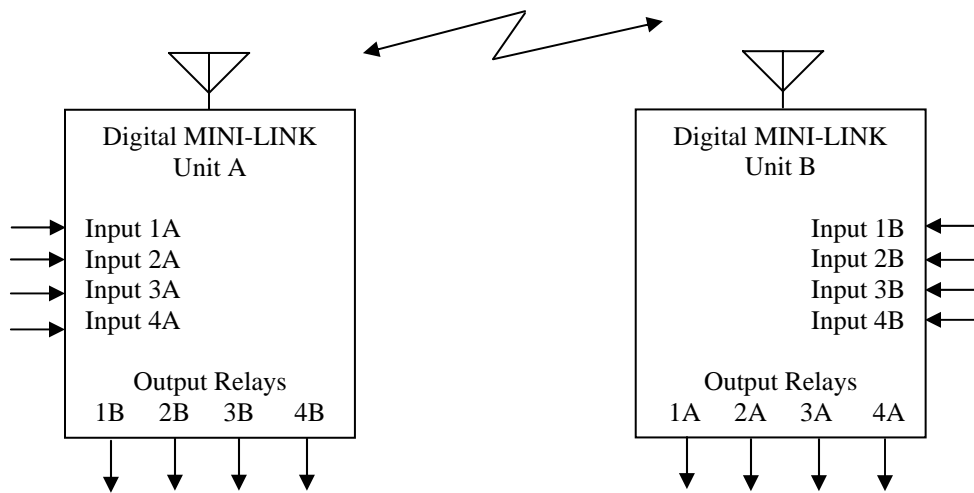
DIGITAL MINI-LINK systems include at least two transceiver units. Each unit has up to 4 inputs and 4 output relays. The inputs in one unit correspond to the relays in the other unit(s) in a One-to-One fashion (standard) or in a One-to-Several configuration (special order).



Up to four ON/OFF signals can be sent in either direction, allowing remote control of lights, pumps, valves, or other equipment. Channels that are not used for controlling equipment can be used for positive feedback, so that operation of the remote equipment can be verified.

Each transceiver has an alarm output that can be connected to an external alarm or relay. In the event of a communications failure the alarm output is triggered and the affected output relays are switched to their default status.

It is not necessary to use all the available channels if the application is a simple one. The low cost of the system makes the Digital MINI-LINK economical even if only one channel is needed.



One-to-One System

DIGITAL MINI-LINK

SPECIFICATIONS

Mounting	Mast, 2.5" (63.5mm) diameter max., user supplied
Enclosure Size	6.25" x 3.125" x 2.1875" (159mm x 79mm x 56 mm)
Enclosure Material	Polycarbonate
Cable Entry Adapter	0.5" (12.7mm) PVC SxT adapter
Cable – Data/Power	12 conductor, 22 AWG, PVC jacket, 10' (3.05m) std. length
Cable – Input/Output	12 conductor, 22 AWG, PVC jacket, 10' (3.05m) std. length
Shipping Weight	2.5 lbs (1.135kg)
Operating Temperature	- 40° to + 60°C
Humidity Range	0-100% non-condensing
Power Requirement	12 Vdc +/- 10%, 80 mA max. Low power cyclic sleep mode available
Input Requirements	Dry contact closure (internal +5Vdc pull-up, 20k ohms)
Relays	SPDT, jumper selectable N.O. or N.C. contacts Max DC switching voltage: 220 Vdc Max AC switching voltage: 250 Vac Max switching current: 3A Max switching capacity: 60W, 125 VA
Alarm Output	+5Vdc @ 500mA max. (resettable fuse protected)
Radio	Frequency Hopping Spread Spectrum Transceiver 902-928 MHz, unlicensed ISM band Transmit Power: 100 mW Rx Sensitivity: -110 dBm Interference Rejection: 70 dB at pager and cellular phone frequencies.