

Designed for embedding into products manufactured by third-parties, this Wiegand to extender is designed to transfer wiegand data from Access Control Card Readers, keypads, and other remote devices which support the Wiegand protocol to a twin module located remotely. Communications between Sender and Remote units are via a twisted pair or UTP cable communication line of up to 4000 feet (1,219.2meters).



*Optional* - Two units are required for minimum operation with a maximum number of 16 pairs of units allowed in a single network. (ET-880/Ex16P)

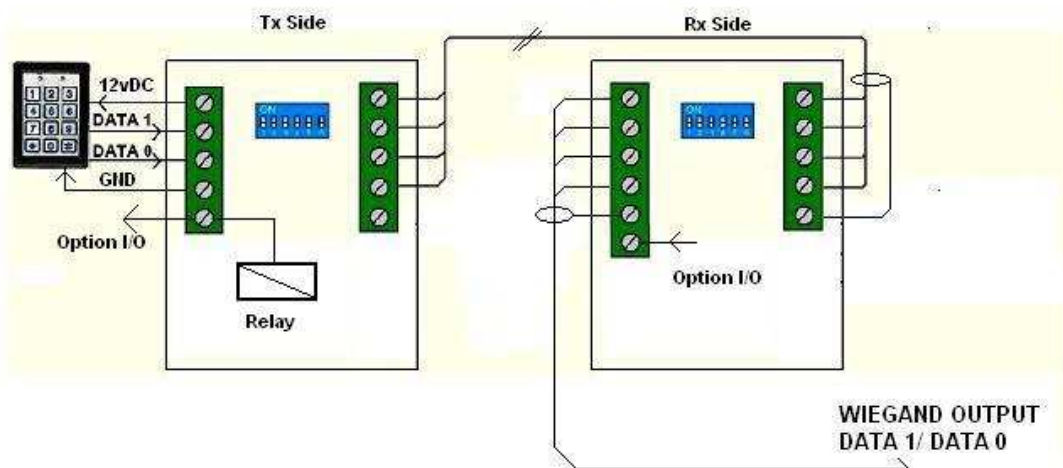
***ET-88Ex/Tx each unit consists of:***

- **Input connector for Wiegand signal(D0/D1), with an additional option I/O output line.**
- **On board SPDT relay for control of external devices. (Option)**
- **Dip switch selector for selecting Master/Slave control functions.(Option)**
- **12V DC operation.**
- **Small unit size of 105 x 103mm (w/ Connector 105 x 113mm)**
- **4 mounting holes (Metal case)**

***ET-880Ex/Rx each unit consists of:***

- **Input connector for Wiegand signal, Option for additional I/O output line.**
- **12V DC supply from reader controller operation.**
- **Small unit size of 105 x 103mm (w/ Connector 105 x 113mm)**
- **4 mounting holes (Metal case)**

*\* (Option ET-8800ExO w/ Output Control)*



**Specifications:**

Supply Voltage:	Nominal 12 Vdc. Maximum 15 Vdc. Minimum 9 Vdc required for relay activation. Minimum 5.6 Vdc required without relay activation
Supply Current:	8mA without relay activation. 38mA with relay activation.
Cable Maximums:	4000 ft. (1220m) (2 wire 22 AWG UTP-Unshielded Twisted Pair)
Unit weight:	80g
Operating Temperature:	-0°C to +70°C (32°F to +158°F)
Relay Specifications:	Max voltage: 220V AC, 60V DC Max current: 3A Max VA (Watts): 625VA (90W) Insulation resistance: >1000MΩ @ 500V DC Dielectric strength (for 1 min): 500V AC between open contacts 500V AC between coil & contact life: 100,000 operations
Wiegand Format:	Accepts any number of bits in wiegand format up to 36 bits. Wiegand data streams input to the Remote units are sent to Sender units for transmission in exact format as received. Parity bits are not checked and are transmitted as received.

