

# LDA-Tx Transmitter

## Model # LDA-Tx

The LDA-Tx Transmitter features 20 digital channels and 8 analog functions. Configurable in either 900 MHz or 2.4 GHz with internal processing capabilities, this Transmitter offers a wide range of possibilities when it comes to applications.

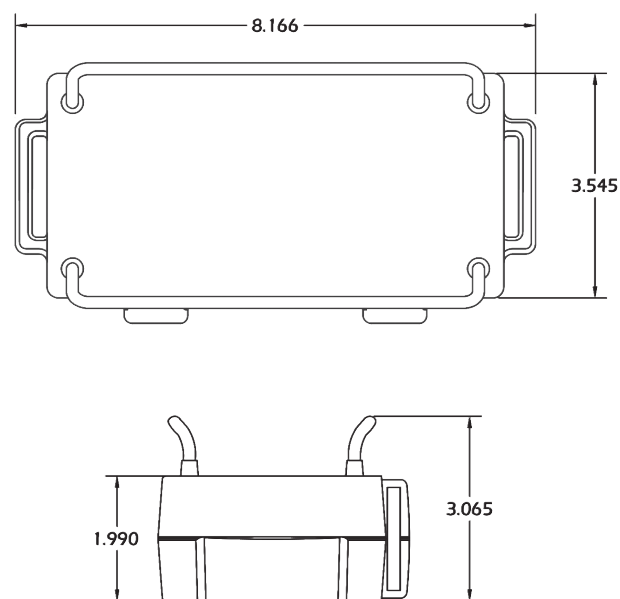


## Options

- LDA-Rx Series
- LXM Series
- LGR Series

## Applications

- Machine Control
- Construction Equipment
- Industrial Control Systems



### 2.4 GHZ GENERAL SPECIFICATIONS

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Frequency Range   | 2400 - 2483.5 MHz                                   |
| Frequency Control | 42 Frequency Hopping Channels (Software Selectable) |
| Modulation        | MSK                                                 |
| Security          | Channelization, System ID, and Vendor ID            |
| Humidity          | Up to 90% RH, non-condensing                        |
| Operating Temp.   | -40C to 85C (-40F to 185F)                          |
| Operating Range   | 1000 ft. Line of sight                              |

### 900 MHZ GENERAL SPECIFICATIONS

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Frequency Range   | ISM 902 MHz – 928 MHz                                  |
| Frequency Control | 7 Frequency Hopping Channels (Software Selectable)     |
| Modulation        | DSSS (Direct Sequence Spread Spectrum)                 |
| Error Correction  | Automatic Error Detection and Automatic Retransmission |
| Humidity          | Up to 90% RH, non-condensing                           |
| Operating Temp.   | -40C to 85C (-40F to 185F)                             |
| Operating Range   | 1500 ft. Line of sight                                 |

### TRANSMITTER SPECIFICATIONS

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| Battery Voltage          | 4 AA Alkaline Batteries                                |
| Max. Current Consumption | <180 mA (RF Active); <10 mA (Idle Mode)                |
| Digital Inputs           | 21 Available                                           |
| Analog Inputs            | 8 Available – 0-5 VDC (configurable as Digital Inputs) |
| LED Outputs              | 1 Bi-color (Battery and Link Status)                   |
| CAN Connection           | J1939 (2-wire)                                         |
| Power Saving Features    | RF Emissions Off Delay <1s; Sleep Mode (<1 mA)         |
| Dimensions               | Approx. 8" x 4" x 3.25"                                |
| Weight                   | Approx. 2 Lbs.                                         |
| Enclosure                | Weatherproof                                           |
| Battery Life             | 12 Hrs continuous transmission<br>40 Hrs standby       |

