TranSend™ MSI-7000

Wireless Load Cell Interface System

Standard Features

- Works with any basic digital weight indicator
- Excitation to load cell(s) provided by the transmitter, not the indicator
- Each transmitter/receiver set is individually paired
- Serial communication cable included with all transmitters
- IP68 milled aluminum enclosure

Options
(Contact MSI for application consultation)

- Multiple antenna selections
- 7 to 36 VDC power (input)

Specifications

Power:
5 to 6 VDC, 85 to 265 VAC

Excitation Voltage:
Transmitter: +4.8 VDC, 16 × 350 ohm or 32 × 700 ohm load cells

Standard Antenna:
1/2 wave 2dBi, articulated

Frequency:
Direct sequence spread spectrum at 2.4 GHz, 802.15.4

Effective Range:
Typically 100 to 300 ft, line of sight; for longer range consult factory

Communication Ports:
Full duplex RS-232

Circuit Protection:
RFI, EMI, ESD protection

Temperature:
Operating:
-40 °F to 185 °F (-40 °C to 85 °C)

Rating/Material:
IP68, milled aluminum enclosure

Additional RF Options:
Wi-Fi
802.15.4
FHSS

Warranty:
One-year limited

Part Number/Price

Part #	Description	Est. Weight	Price
Transmitters			
5-6 VDC Power Input			
159207	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
161949	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
176648	Four-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176652	Four-channel transmitter, includes three coil relays, Wi-Fi	2 lb	Consult
85-265 VAC Power Input			
159469	Four-channel transmitter, no relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
161950	Four-channel transmitter, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
176647	Four-channel transmitter, no relays, Wi-Fi	2 lb	Consult
176651	Four-channel transmitter, includes three coil relays, Wi-Fi	2 lb	Consult
Receivers			
5-6 VDC Power Input			
160016	Four-channel receiver to provide an analog output signal: 4 to 20 mA, 0 to 20 mA, 0 to 5 VDC, 0 to 10 VDC, ±5 VDC, ±10 VDC, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult
160017	MSI-7000 four-channel receiver to provide RS232 serial output	2 lb	Consult
85-265 VAC Power Input			
159477	Four-channel receiver to provide RS232 serial output	2 lb	Consult
159475	Four-channel receiver to provide an analog output signal: 4 to 20 mA, 0 to 20 mA, 0 to 5 VDC, 0 to 10 VDC, ±5 VDC, ±10 VDC, includes three coil relays, RF 802.15.4, 2.4 GHz	2 lb	Consult

Options/Accessories

Part #	Description	Price
162172	Charger, TranSend™ for 6 V SLA battery	Consult
162173	Battery, TranSend 6 V SLA	Consult
162175	Enclosure, TranSend for 6 V SLA battery	Consult
160109	AC adapter, TranSend 6 V	Consult
143531	Power cord, 6 V SLA battery charger EU	Consult
143533	Power cord, 6 V SLA battery charger, Australia	Consult
143534	Power cord, 6 V SLA battery charger, UK	Consult
160110	265 VAC to 6 VDC wall adapter US/UK/EU/AUS/China	Consult
162178	Antenna extension kit, 6 ft coax cable	Consult
144345	30 m coaxial cable, for use with non-vehicle mount antenna kits	Consult
139313	Antenna kit, vehicle mount. 5 dbi with 5 m coaxial cable	Consult
150964	RS-232 13 ft (4 m) serial cable with nine-pin (female) connector	Consult
150965	RS-232 13 ft (4 m) serial cable with nine-pin (male) connector	Consult
145085	RS-232 serial cable, unterminated	Consult