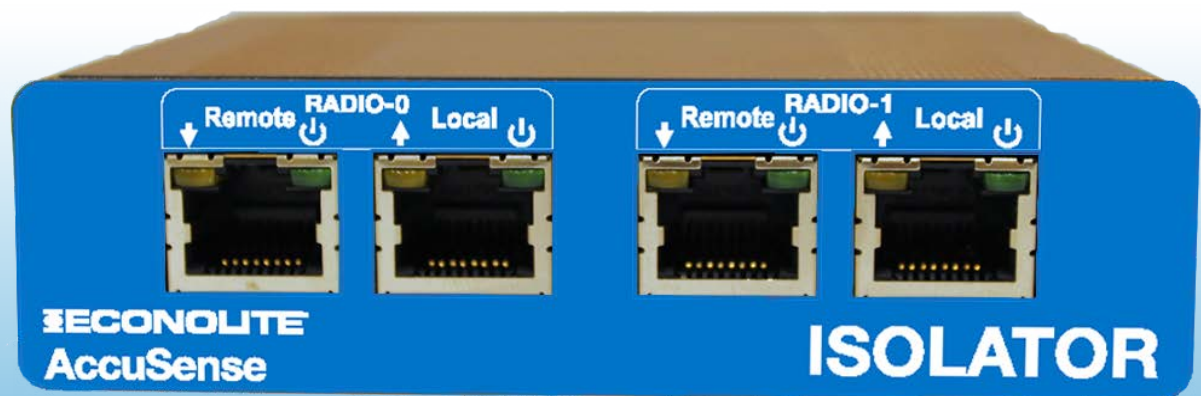


AccuSense Isolator



▶▶ The AccuSense Isolator module provides surge protection electrical isolation and CAT5 cable length extension.

About AccuSense Isolator

The AccuSense Isolator module provides both safety and length extension for the AccuSense Control to radio wired interface. The Isolator provides two independent isolator ports, one for each radio connection.

The Isolator isolates and protects signals from the AccuSense Control to the radio and provides up to 2,000 feet (610 meters) of 24 AWG CAT5 cable communication for the Control to and from the radio using RS-422 drivers.

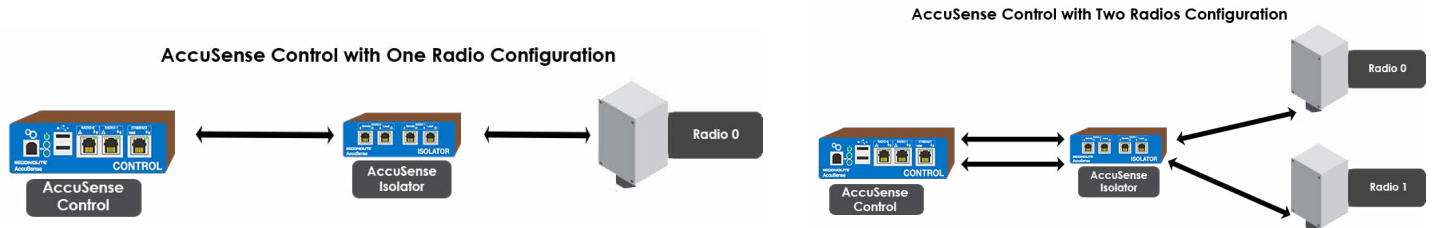
Some features of the AccuSense Isolator include equipment protection from electrical surges, and protection from electrical shock. Surge protection prevents unwanted electrical surge currents to enter the controller cabinet and destroy electronic circuitry, while ground isolation prevents dangerous voltages in a cable from shorting onto the ground or power supply in the cabinet. The Isolator also provides for length extension through an increased voltage of 15 V on the CAT5 between the Control and the radio.

At A Glance

- ▶ Surge protection up to 12 A and electrical isolation up to 2,500 Vrms
- ▶ Increased connection length between FlexControl and Radio
- ▶ Power and Activity indicators for both Local and Remote connections
- ▶ 2 types of ground terminations
- ▶ Mounts in traffic cabinet with DIN mount or bracket mount



A typical AccuSense Control system consists of one Control unit and two radios with one Isolator.



Power, Physical, & Environmental

Output Voltage	<ul style="list-style-type: none"> 15 VDC unregulated 2 W
Power Consumption	<ul style="list-style-type: none"> 600 mW per Radio
Dimensions	<ul style="list-style-type: none"> 4.3" x 3.5" x 1.2" (10.9 cm x 8.8 cm x 3 cm) without mount
Weight	<ul style="list-style-type: none"> 7.8 oz (221.5 g) without mount
Operating Temp	<ul style="list-style-type: none"> Industrial -40°C to 85°C
Surge protection	<ul style="list-style-type: none"> IEC 61000-4-2 (ESD) ±15 kV (air), ±8 kV (contact) IEC 61000-4-4 (EFT) 40 A (5/50 ns) IEC 61000-4-5 (Lightning) 12 A (8/20 μs)
Electrical Isolation	<ul style="list-style-type: none"> 2500 Vrms
Connection Length Extension	<ul style="list-style-type: none"> up to 2,000 ft (610 m)
Mounting	<ul style="list-style-type: none"> DIN or bracket mount

Available Product

Order Code	Description
ASENSE-ISO-2-1133-296	<ul style="list-style-type: none"> FlexIsolator module (2 port): Provides surge protection, electrical isolation, and CAT5 cable length extension (DIN and bracket mounting kit included).

Compliance

Safety	<ul style="list-style-type: none"> 2006/95/EC
EMC	<ul style="list-style-type: none"> FCC: This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 2004/108/EC IC: This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

