Wireless Sensors for Traffic Detection

AccuSense Connect

What, exactly, is AccuSense Connect?

The AccuSense Connect is a stand-alone unit that provides an SDLC interface to TS2 controllers for the AccuSense Control. The Accusense Connect connects to the EX port on the AccuSense Control or the CC card (for the AP240-S†). AccuSense Connect conforms to the Port 1 interface communications and indicator requirements specified in the NEMA TS2- 2003 standard.

Why do agencies use AccuSense?

As the complexities of traffic management increase, ITS strategies are valuing more and more the multi-tasking capabilities of intelligent detection sensors to not only accurately detect traffic at the stop bar to trigger a signal change, but to count, classify, track, and even provide advanced detection for traffic adaptive systems and dilemma zone safety applications. Today's multi-modal intersections and roadways require the multi-modal capabilities of leading-edge detection sensors to provide capabilities such as bicycle detection and differentiation.

How does AccuSense benefit the driving public?

Econolite's vehicle detection solutions continue to play a critical role in helping ITS deliver on the promise of enhanced public safety, reduced congestion, shorter travel times, lowered environmental impacts, and increased cost savings for all roadway users.

Front Panel

Power LED indicator	• For unit power
TX LED indicators	• For SDLC and EX port connections
Link LED indicators	• For SDLC and EX port connections
Channel LED display	• Rack number indicator and 16 channel status states: call, no call, recall, disabled
Push button	• For rack number selection and rack enable/ disable
USB B connector	• USB port connection to AccuSense Control for SDLC monitor data and debug data and power

Back Panel

Power connector	• To cabinet power adapter or terminal blocks
DB15 connector	• SDLC link to TS2 controller
RJ45 connector	• Connection to EX port
Power connector	• To cabinet power adapter or terminal blocks
DB15 connector	• SDLC link to TS2 controller
RJ45 connector	• Connection to EX port

Power, Physical, & Environmental

Input voltage	• 9-28 VDC (24 VDC nominal): 5.5 mm x 2.1 mm barrel power connector, or • 5 VDC nominal USB port
Power	• Less than 300 mW
Dimensions	• 4.5” x 3.7” x 1.5” (11.4 cm x 9.4 cm x 3.7 cm)
Weight	• 9 oz (255 g)
Operating temp	• Industrial -40°C to 80°C

Available Products

Product	Description
ASENSE-CONNECT	• Connect unit: Includes mounting bracket
ASENSE-CONNECT-YCBL	• Connect Y-Cable: Splitter cable (0.5’/3’) to connect to the Connect unit to SDLC port
ASENSE-CONNECT-PWRCBL	• Connect Power Leads (6’): Wiring to connect to Connect unit with cabinet terminal blocks
ASENSE-CONNECT-PS	• Connect Power Supply (60W, 12V): Industrial rated cabinet power adapter with cords (6’ AC/4’ DC)
ASENSE-CONNECT-SDLC	• Connect Straight Cable (3’): Thru cable to connect to the Connect unit and to the spare SDLC port

Compliance

EMC	• 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 license-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 • IC : Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement

ECONOLITE

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