

Verics™ AccessPoint Data Sheet



OVERVIEW

AccessPoints provide the communications between the CheckPoints of a Verics™ wireless network and the Data Center, (see the CheckPoint Data Sheet). The AccessPoint handles all requirements for the TCP/IP backhaul connections through the world wide web to the Data Center. Each AccessPoint can accommodate the communications backhaul for a network cluster of more than 500 CheckPoints. The maximum ratio is dependent upon the topology of the network cluster. The Verics™ network utilizes FCC frequencies that do not require any further customer licensing or certifications. The end user accesses the functions of the network using an Internet web browser. An AccessPoint is also capable of providing the luminaire diagnostics and control functions of a CheckPoint.

The control functionality and data provided by the Verics™ network is used to enable improved lighting service levels and at the same time [a] reduce maintenance costs, [b] extend asset life and [c] lower energy consumption.

SPECIFICATIONS

Physical:

- Dimensions: 5"x5"x3"+6" antenna height
- Weight: 27 oz.
- Enclosure: designed to meet ANSI C136.10
- Surge protection: 300 joules
- Power consumption: average = 2.5 watts

Environment:

- Minus 40°C to plus 65°C at 96% relative humidity

Backhaul Communications:

- RJ45 type Ethernet; customer provided connection
- GPRS; wireless public access

Luminaire Diagnostics:

- Cycling lamp
- Fixture malfunction (causing improper operation)

Luminaire types:

- Low pressure Sodium [LPS]
- High Pressure Sodium [HPS]
- CWA, Reactor, Regulated, and Auto ballasts

Control:

- Command individual or groups of lamps ON or OFF
- Fail ON

CATALOG LOGIC: e.g. APTL5091EA

Product	Connection	Voltage	Frequency	Backhaul	Options
AP = Accesspoint	TL= via twist lock photozell socket	5= 120- 240VAC	O9= 915 MHz	1= External Dipole Antenna	EA= RJ45 Ethernet
					GA= Wireless GPRS

HOW TO SPECIFY

Each luminaire shall be supplied with a CheckPoint monitoring device which shall consist of an FCC approved unlicensed frequency band wireless transceiver with internal antenna and integral monitoring and diagnostics capability. The housing will be formed from injection molded thermoplastic polyester resins designed to meet the requirements of ANSI C136.10. The CheckPoint will be mounted on the light fixture photocontroller receptacle. Power consumption shall average less than 1.5 watts. The monitoring devices will communicate with each other to form a self-configuring and self-healing mesh topology network consisting of CheckPoints clustered around AccessPoints which are capable of communicating to a secure server via the Internet. A dedicated web site will be provided to enable password protected access to [a] fault reports and [b] control functions.

INSTALLATION & DEPLOYMENT

Checkpoints:

Remove photocontroller, replace with the CP, return the photocontroller to the 3 prong receptacle on the top of the CP. Record the CP serial number and the light fixture identification/location number.

AccessPoints:

The AccessPoint device is installed in the same way as the CheckPoint described above.

To install the stand alone / remote mounted AccessPoint, contact Telemics to schedule installation.

Contact Telemics for advice on placement/location of AccessPoints.

Commissioning/set up:

Contact Telemics to arrange for activation of the network and set up of the dedicated client monitoring/control web site.

Specifications subject to change without notice.