iCITE™ Product Line

DA-DATA AGGREGATOR™ DA-200 / DA-300
DA-DATA AGGREGATOR ™

DA-200 / DA-300 BASIC CABINET MONITORING

The next generation cellular phone based systems that provide cost effective remote traffic cabinet status and intersection data.
DA-DATA AGGREGATOR™

DA-200 / DA-300

• Real time cabinet status and data
• Remote Accessibility
• Designed for Traffic signal Cabinets
• Easy to install
• Controller / Cabinet agnostic
• Data streamed to a Cloud based server
DA-DATA AGGREGATOR™

COMMUNICATIONS AND CABINETS

Communications
– GSM (3G), Wi Fi, Ethernet

Cabinet Configurations
– NEMA:
  • TS1 (Type 1 and 2)
  • TS2
– CALTRANS
  • 33X
– Flasher Cabinets
TRAFFIC SIGNAL TECHNICIAN / ENGINEER

BENEFITS

• Remote access to cabinet status and parsed intersection data
• Perfect to access remote intersections where there is no connectivity to central
• Alarms generated via SMS to on-call staff
• Detector counts and diagnostics through up to 8 Eberle Oracle™ detectors
CUSTOMER NEEDS FOR DATA

DA-200 / DA-300 FULFILLS LOTS OF NEEDS

• Need to connect to remote intersection
• Back up to connected intersections
• Data Collection - Basic detector information
• Safety and Security of intersection
• Last Gasp notification
DA-200 DATA AGGREGATOR

• Real time monitoring of remote intersections for vital information
• Backup for intersections connected to a TOC
• Cellular based and event driven
DA-300 DATA AGGREGATOR™
WHERE BIG DATA AT YOUR INTERSECTION BEGINS

DA-300 by EDI features basic connectivity and functionality. It also provides Travel time data to be used for enhanced performance measurements such as:

- Travel Time
- O / D
- Data similar to Indiana Performance Measures.
DATA AVAILABLE

• Last Gasp
  • Provides information to TOC during Off-line Event
    • Comm Failure
    • Power Failure
    • Catastrophic Failure (Cabinet Knockdown)

• SDLC information
  • Detector activations
  • Phase colors

• BBS System Status
  • Charging / Discharging
  • Voltages – 24VDC / 120 VAC
DATA AVAILABLE

• Cabinet Health
  • Fan / Heater / Temperature
  • Cabinet Door - Open/ Closed
  • Stop Time / Cabinet Flash - On / Off
  • BBS – Charging / Discharging / Operational
  • Cabinet Voltage – AC / DC
• Additional Information
  • Oracle Detection – Counts, Failures
  • TS-1 / 332 Detector inputs for counts
  • Ped Push button activations
DA-200 / DA-300 DATA AGGREGATOR™

OUTPUTS AVAILABLE IN DA-200 / DA-300

- External Outputs
  - Output 1
    - Cabinet Fan off at high temperatures
    - Cabinet Fan on at low temperatures
    - Cabinet Heater off at low temperatures
    - Cabinet Heater on at high temperatures
  - Output 2
    - BBS is running cabinet
  - Sync Pulse
    - Programmable for time of day, Time Zone and DST
## DA-200 / DA-300 FUNCTIONALITY

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DA-200 / DA-300 by EDI

additional information regarding the cabinet that is derived by connecting to EDI / Reno A&E equipment to produce Performance Measurement information

- **Oracle Detector Interface** provides a way to get accurate detector counts off the EDI Oracle® Detector

- **Sync pulse** generated by GPS to provide a way to keep controller time up to date.

- **SDLC communications** now capable of retrieving valuable information about the cabinet.
ICITE™ G2 SOFTWARE

G2 provides the user with the information that is sent from the intersection.
CONFIGURATION SOFTWARE

• Configuration software for viewing status of hardware or traffic cabinets
• Not a data analytics Software
• Google GIS Maps based user interface
• Provides alarms for cabinet malfunctions and other user identified alarms
• Graphs, logs and alarms for all devices in one location
CONFIGURATION SOFTWARE

Alerting Software
Historical Diagnostics
System Information
CONCLUSION

SIMPLE AND COMPLETE

• Configuration for any type of cabinet or function
• Alarms can be modified to meet any needs
• Easy to install and set up
• Multiple alarm and alert levels
• Data is configurable for what is important to the end user.
AVAILABILITY

READY TO SHIP

Contact your EDI or RAE distributor in your area.

We will be happy to work on pilot projects and demonstration sites, contact Dr. William Sowell directly
TARP POINTS

INFORMATION NEEDED

IMSA Number
First Name
Last Name
Phone Number
Email Address
Agency / Company Name
City
State

This session is worth 4 points at (4 / hour)
THANK YOU FOR YOUR ATTENTION

Please contact me if you have any other questions:

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