



RELIANCE

Power ACE3

Advanced Control Equipment Third Generation



RELIANCE Power ACE3, ADB SAFEGATE's latest distributed control and monitoring solution, raises the bar with a simple, intuitive user interface, enhanced communication options and increased input/output expandability.

The RELIANCE Power ACE3 unit's full-color interactive touchscreen provides easy access to exactly what you want. All output readings are available at a glance and the new 7-inch color display allows the user to easily navigate through the ACE3 pages.

The CCR-integrated ACE3 unit is fully configurable via the local touchscreen - no separate PC or laptop is required - and it allows airports to customize monitoring of energy use. Using the touchscreen airports can configure the CCR, ACE, IRMS, Failsafe Options, and Enable Features.

In addition to being backward compatible with our ACE1, ACE2 and Liberty's DCMU units, the ACE3 can interface with any manufacturer's CCR.

It also has three communication options: Serial, Ethernet, and Wireless connectivity, and up to eight times more input/ output capacity.

ACE3 Integrated CCR

ACE3 Combo Box

ACE3 I/O



- · Controls and monitors all **CCR** functions
- New URC4 Regulator Controller
- Integrated Output Monitoring
 - No Separate CVM Required
- Optional Input Power Monitoring
 - Power Factor
 - Efficiency %

Status

CCR

ACE

Alarms/Events

Waveform

Miscellaneous

Configuration

Configuration

Feature Enable

Failsafe

About

Hour/Cycle Counts



- Interfaces to any manufacturers CCR
- Available for 6.6 A and 20 A
- 40% smaller footprint compared to ACE1 and ACE2 Combo Box



- **Expandable to meet airport needs**
- Same footprint as Combo Box •
- All inputs are optically isolated
- All outputs are mechanically latching
- All I/O points have independent commons
- I/O status viewable on screen



In typical modes of operation, the ACE3 touchscreen will display several tiles, which contain all available output data. The user can select an individual tile to make it more prominent on the screen. The Pop Up Menu can be opened by touching the gear icon in the upper left corner.



Waveform

The ACE3 has a built in waveform viewer to graphically view the input and output current and voltage waveforms of the CCR to help with troubleshooting.



IRMS History

The ACE3 has a localized IRMS Viewer, allowing the user to view the historical IRMS megging data in graphical form with or without an ALCMS.

| < REMOTE | | | | | | |
|---------------------|---------------|---------------------------|--|--|--|--|
| EVENTS | | | | | | |
| Date/Time | Name | Description | | | | |
| 2017-07-24 14:11:41 | ClientConnect | interface=ace3Diag,addres | | | | |
| 2017-07-24 14:11:22 | CCRComm | raised=1 | | | | |
| 2017-07-24 14:11:20 | PowerUp | | | | | |
| 2017-07-24 14:11:39 | ClientConnect | interface=ace3Diag,addres | | | | |
| 2017-07-24 14:11:19 | CCRComm | raised=2 | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| / | | | | | | |

Events

Separate event and alarm screens are available for displaying active and historical event and alarm data. These screens can be accessed from the Alarms and Warnings tile on the Home page.

| C REMO Hour/Cycl | | | | | | |
|----------------------------|-----------------|-----|-----|-----|--|--|
| | CCR Cycle Count | 0 | | | | |
| | | | | 921 | | |
| | Total On Time | 0.0 | Hrs | | | |
| | B1 On Time | 0.0 | Hrs | | | |
| | B2 On Time | 0.0 | Hrs | | | |
| | B3 On Time | 0.0 | Hrs | | | |
| | B4 On Time | 0.0 | Hrs | | | |
| | B5 On Time | 0.0 | Hrs | | | |
| Reset | | | | | | |

Hour/Cycle Counts

The Hour/Cycle Counts page displays how long the CCR has run at each step, tracks how the regulator is being used, and helps with knowing when to schedule preventative maintenance.



The Feature Enable Screen

The Feature Enable screen is used to enable or disable features, alarms, and warnings by checking the box next to the feature/alarm/warning name. These changes take affect immediately.

Disabling an alarm or warning prevents that alarm/warning from showing up on the alarm page and the corresponding event(s) will not be generated

ACE3 Combo Box



Compatible with any CCR manufacturer.



Available as a CCR-integrated or wall-mounted unit.



Easy configuration using the local touchscreen, no laptop required.



It will also easily

replace any Liberty

interface to or

DCMU units.

Backwards compatible with previous versions: ACE1 and ACE2.



Three communication options: Serial, Ethernet, and Wireless connectivity.





 $\Omega \neq 0000$



8

New Features: Real-time input & output waveforms, enhanced troubleshooting, cable megging, and more.

ACE3 Integrated

into a CCR



Alternate one line diagram view displays readings as an electrical drawing layout.

RELIANCE Power ACE3 provides better performance, easier maintenance and more functionality than previous distributed control products.

480

