

Optergy Mobile Application

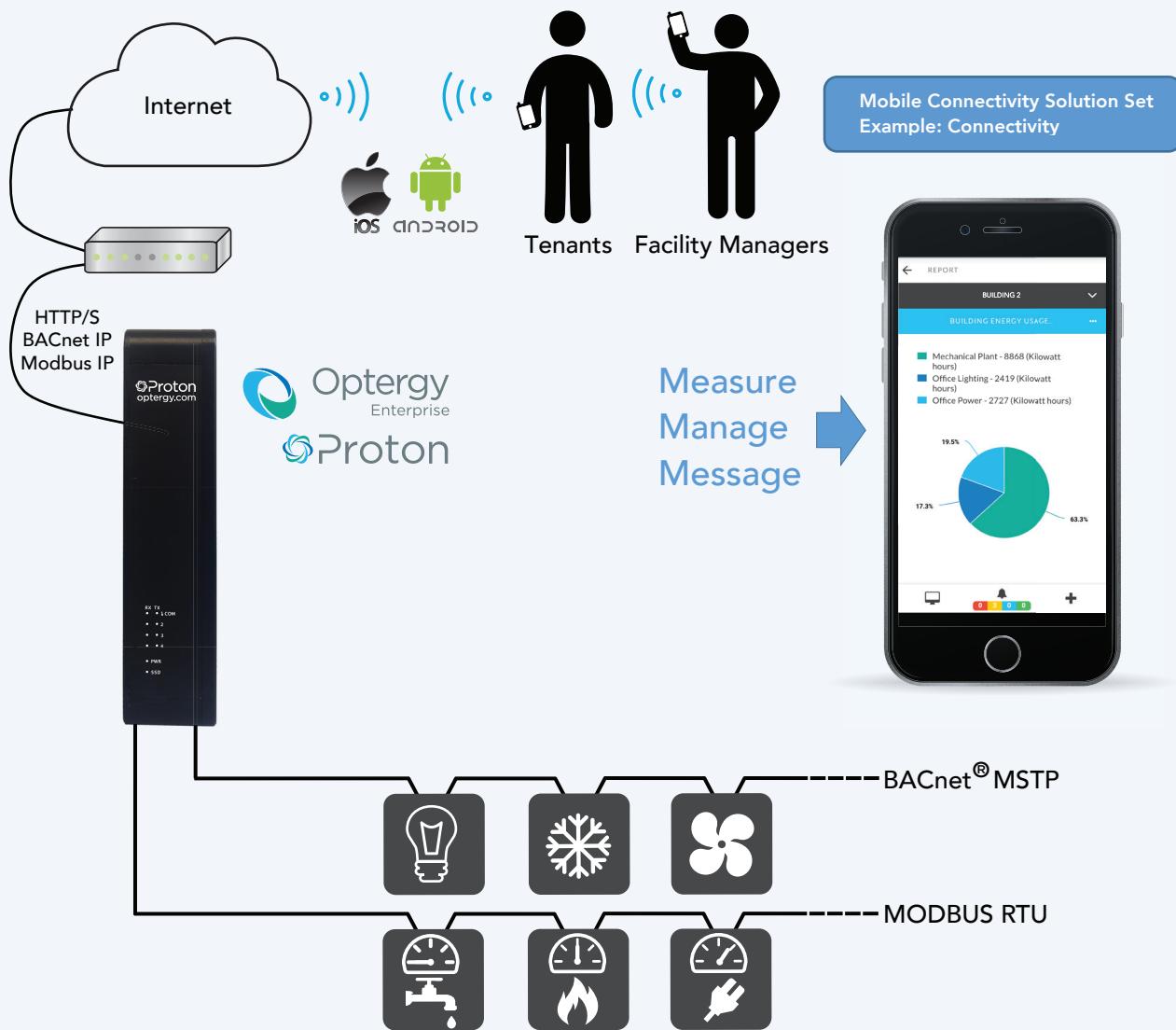


Optergy Enterprise + Proton

Description

The Optergy mobile application is companion software to an Optergy Enterprise or Proton site and operates on Apple iOS and Android mobile device operating systems. The app is configured in the Optergy web user interface and can host multiple sites.

This app can be used by facility managers to manage their building automation as well as report energy consumption. It can also be used by tenants to request after hours air conditioning or contractors to receive critical customer site alerts.



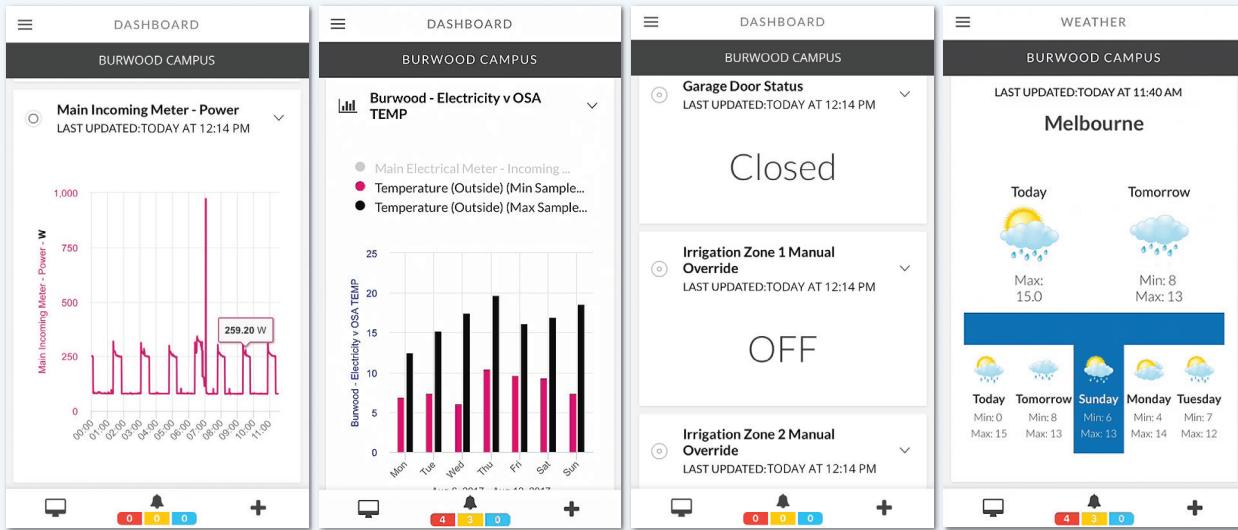
Available free on iTunes and Google Play.

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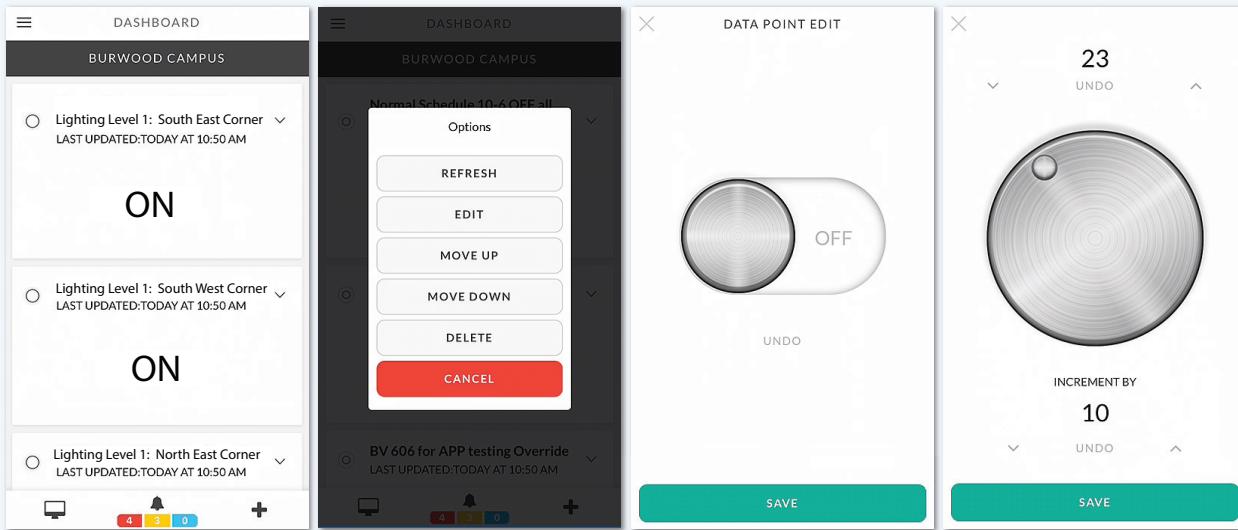
User Configurable Dashboard

Users can personalize their dashboard by adding content:
+ trendlogs, + reports, + data points, + weather



Data Points (Read and Write to BACnet Points)

Users can read and write BACnet values (if they have permission), toggle binary values (on/off) and adjust analog values (dial). BACnet values are written and read back instantly providing confirmation of the change to the user.

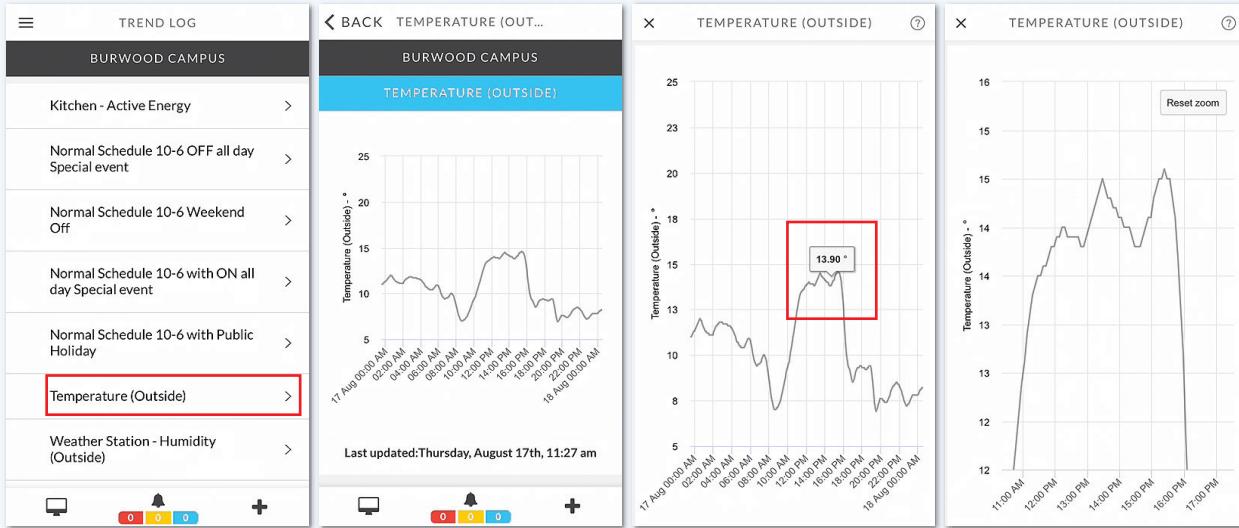


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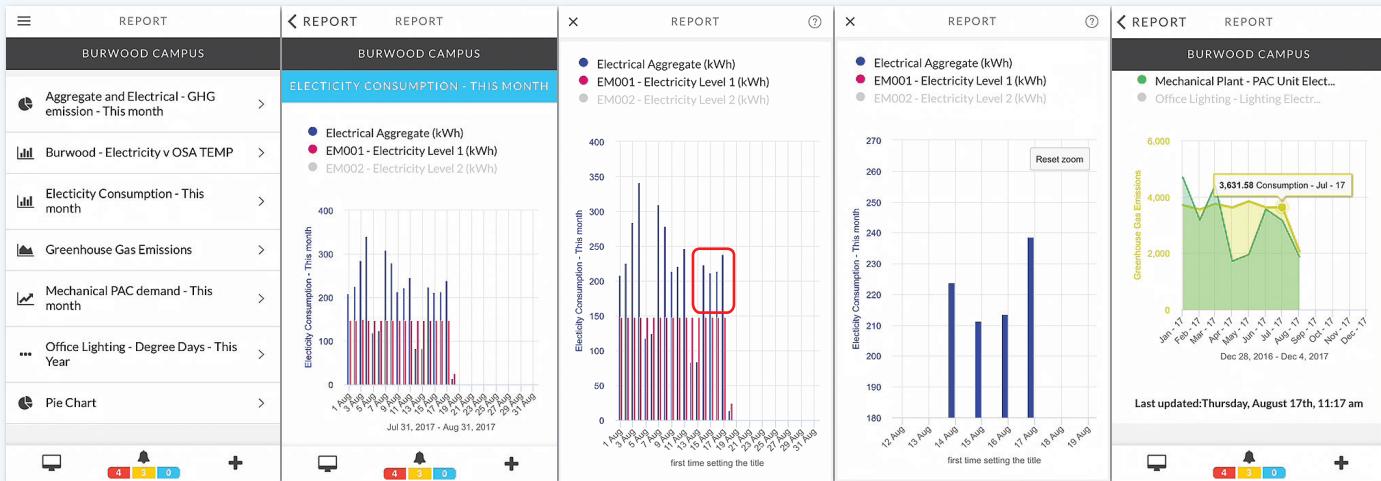
Trendlogs

Trendlogs in the system can be displayed on the mobile app in trendlogs or as a dashboard widget. Trendlogs are first setup in Optergy and then made available to one or more users.



Energy Reports

Energy reports saved in the utility report library can be displayed on the mobile app in reports or as a dashboard widget. Reports are first setup in Optergy and then made available to one or more users.



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Alarms

Alarms are push notifications that will announce audibly on the device if notifications are enabled. In the example below, the red 4 indicates 4 unacknowledged alarms that need urgent attention. The yellow 3 indicates 3 alarms have been acknowledged but are still in alarm condition. The blue alarm notification indicates alarms that have automatically returned to normal but have not been acknowledged.

Users can view alarm detail, acknowledge and clear alarms from the app directly.

The first screenshot shows the main dashboard with a sidebar containing 'Add Site', 'Site Management', 'Dashboard', 'Notices' (4), 'Tickets' (4), 'After Hours', 'Data Points', 'Reports', and 'Weather'. The 'Alarms' section is highlighted with a red box, showing 4 unacknowledged, 3 acknowledged, and 0 returned to normal. The second screenshot shows the 'ALARM' screen for 'BURWOOD CAMPUS' with a legend for 'ALL', 'ALARM', and 'NORMAL'. It lists two events: 'Normal Schedule 10-6 with ON all day Special event' (unacknowledged) and 'Normal Schedule 10-6 OFF all day Special event' (acknowledged). The third screenshot shows the 'ACKNOWLEDGE' screen for the same event, with a message about acknowledging the alert for Optergy. A summary at the bottom shows 'Unacknowledged Alarm' (4), 'Acknowledged Alarm' (3), and 'Alarm Return to Normal' (0).

After Hours Override (Cost Recovery)

Using the Optergy after hours override feature, the mobile app can trigger an after hours override event on the fly in 30 minute increments, or scheduled up to a prescribed number of days in advance. Some setup in Optergy is needed as well as tenant permissions. If billing is configured, these requests appear on the bill as chargeable events.

The first screenshot shows the main dashboard with 'Tickets' (1) and 'After Hours' highlighted with a red box. The second screenshot shows the 'AFTER HOURS' screen for 'BURWOOD CAMPUS' with a 'CALENDAR' button highlighted with a red box. The third screenshot shows the 'AFTER HOURS - CREATE' dialog for 'AFTER HOURS Requests', setting 'Selected Day's Normal Hours' to 'Monday 10:00 AM - 6:00 PM'. The fourth screenshot shows the 'NORMAL SCHEDULE 10-6 WIT...' screen with a 'CALENDAR' button highlighted with a red box, displaying a grid where specific time slots are highlighted in green, indicating they are set as after-hours.

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Maintenance Tickets

This feature allows for two-way messaging from the app user to the Optergy software. The ticket is placed into an issues list and allocated to a specific user for action. Both time/date stamps are applied to each message and the record can be a draft, published and appended.

For end users, this feature allows the app user to notify the system admin, of a maintenance issue.

For technicians, this feature can be used as a work log, or record of work performed and by whom.

The image displays four screenshots of the Optergy mobile application interface related to maintenance tickets.

- Screenshot 1:** Shows the main navigation menu on the left with "Tickets" selected, indicated by a red box and a green notification badge with the number "0".
- Screenshot 2:** A detailed view of a ticket for "Front Irrigation sprinkler is broken". It shows fields for "Priority" (Low), "Title" (Front Irrigation sprinkler is broken), "Description" (As I drove into the parking lot I noticed the north most sprinkler head is damaged and spraying incorrectly.), and "Recommendation" (Replace or repair). A keyboard is visible at the bottom.
- Screenshot 3:** A modal window titled "Recommendation" with the text "Replace or repair" and a "CREATE" button at the bottom.
- Screenshot 4:** A list of tickets under the heading "TICKETS" for "BURWOOD CAMPUS". It shows two items: "Lights out!" (Priority: Urgent) and "Front Irrigation sprinkler is broken" (Priority: Low).

Notices

Notices are messages that are pushed out to the app users (one way messaging).

For end users, this could be to advise of a companywide event.

For technicians, it may be to alert the technical staff to do a specific task and keep track of it.

The image displays three screenshots of the Optergy mobile application interface related to notices.

- Screenshot 1:** Shows the main navigation menu on the left with "Notices" selected, indicated by a red box and a green notification badge with the number "4".
- Screenshot 2:** A list of notices under the heading "NOTICES" for "BURWOOD CAMPUS". It includes notices such as "Lift1 Maintenance ongoing", "Car Park is Full", "Demo site under reconstruction", and "UPS cancelled pickup for today". Each notice has a red box around its "More" button (indicated by a right arrow).
- Screenshot 3:** A detailed view of a notice for "Lift1 Maintenance ongoing". It shows the message "Lift1 is going under annual maintenance...." and the timestamp "Created a month ago".

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Site Information (Location, Map, Maintenance Contact Detail)

This feature facilitates a quick and easy way to find the local building contact for support.

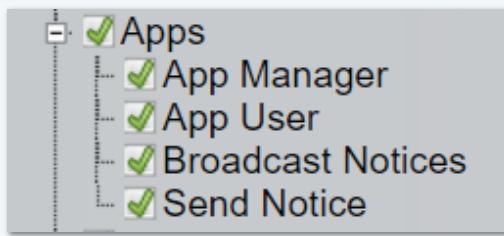
A screenshot of the Optergy mobile application interface. On the left, there's a sidebar with a menu icon, the title 'SITES', and a dropdown menu showing 'Burwood Campus'. Below this are three buttons: 'DASHBOARD' (with a monitor icon), 'ALARMS' (with a clock icon), and 'SITE INFO' (with an info icon). At the bottom of the sidebar are icons for a monitor, a bell, and a plus sign. In the main area, there's a map titled 'BURWOOD CAMPUS' showing the location of the site in Melbourne, with a red pin marking the spot. Below the map is a 'DETAIL' section with the following information:

- URL: demo.optergy.com
- Name: Optergy Demo
- Email: support@optergy.com
- Contact: +61 399 187 799
- Address: 22 McIntyre St

Each detail item has a right-pointing arrow indicating it can be expanded. The bottom of the main area also has icons for a monitor, a bell, and a plus sign.

App Permissions

App users need to have a user account and "App User" privilege in the user configuration enabled.

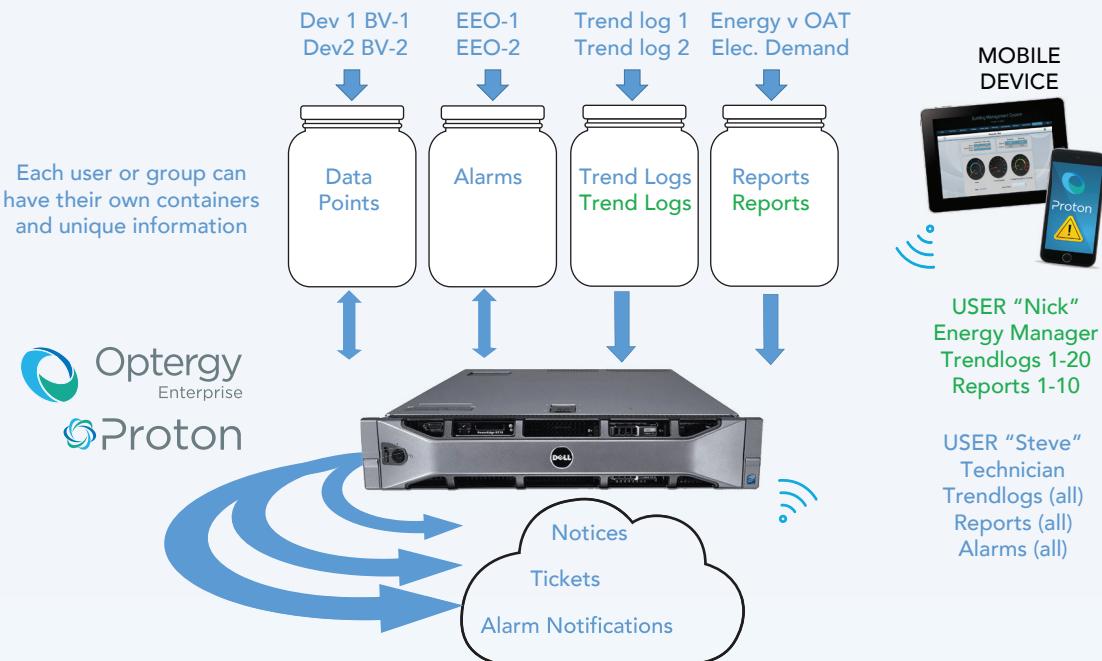


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How to Setup Optergy

Data points, alarms, trendlogs, and reports are added to a container (repository for data). Each container can be defined by category (e.g. Alarms (Critical), Alarms (Warning)), and each container can have its own user access. For example, Alarms (Warning) access granted to "Steve" and... Alarms (Critical) access granted to "Nick".



The screenshot shows the 'Containers List' screen of the Optergy Enterprise software. The interface includes a navigation bar with 'Optergy Enterprise' and a user profile, and various control buttons. On the left is a sidebar with icons for Up, Add, Edit, and Remove. The main area displays a table titled 'Containers List' with the following data:

Name	Description	Type
Alarms	Alarms	ALARMS
Anjali Reports		SAVEDREPORTS
BACnet Points	BACnet Points	BACNETPOINT
Saved Reports	Saved Reports	SAVEDREPORTS
Trendlogs	Trendlogs	TRENDLOGS

Tutorial Videos

To facilitate setup, Optergy has tutorial videos available on the support site at buy.optergy.com:

- Tutorial 4.14a App - Alarms container
- Tutorial 4.14b App - BACnet points container
- Tutorial 4.14c App - Trendlogs container
- Tutorial 4.14d App - Weather and after hours
- Tutorial 4.14e App - Tickets and notices
- Tutorial 4.14f App - Personal dashboard set up

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Weather

Using an online weather service and Optergy Enterprise or Proton software, users can display current weather conditions and forecast data.

The image displays two side-by-side screenshots of the Optergy mobile application's weather module. Both screens show the same basic layout with different data.

Left Screen (Burwood Campus):

- Header:** WEATHER, BURWOOD CAMPUS.
- Current Weather:** LAST UPDATED: TODAY AT 11:40 AM. Below this, "Melbourne" is displayed with a sun icon and the text "Clear".
- Weather Details:** Temperature: 8 °C, Humidity: 73%, Wind Speed: 17 km/h, Accumulated Rainfall: 0 mm, Air Pressure: 1,005 mbar.
- Forecast:** LAST UPDATED: TODAY AT 11:40 AM. Below this, "Melbourne" is displayed again with a sun icon and the text "Clear".
- Action Bar:** Icons for monitor, bell, and a plus sign (+), with numerical counts (4, 3, 0) below them.

Right Screen (Melbourne):

- Header:** WEATHER, BURWOOD CAMPUS. Below this, LAST UPDATED: TODAY AT 11:40 AM and "Melbourne" are displayed.
- Forecast:** Today (sun and cloud with rain) and Tomorrow (cloud with rain). Below these, "Max: 15.0" and "Min: 8 Max: 13" are shown.
- Extended Forecast:** A grid showing weather icons and temperature ranges for the next five days: Today (Min: 0 Max: 15), Tomorrow (Min: 8 Max: 13), Sunday (Min: 6 Max: 13), Monday (Min: 4 Max: 14), and Tuesday (Min: 7 Max: 12).
- Action Bar:** Icons for monitor, bell, and a plus sign (+), with numerical counts (4, 3, 0) below them.