PHILIPS

dynalite

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DPP601
Portable Programmer Installation Manual

contents

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introduction

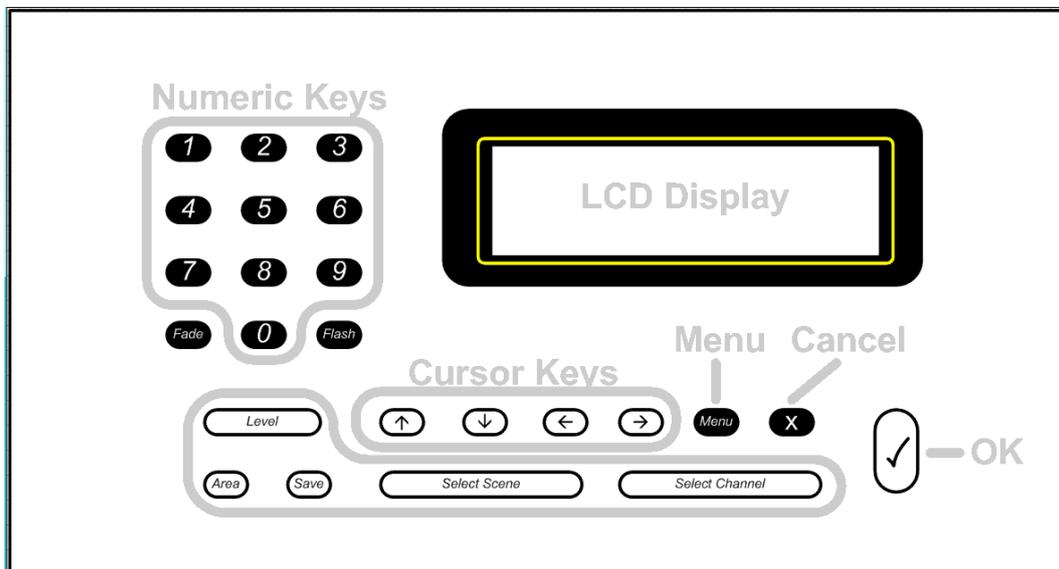...

The DPP601 Handheld Programmer is used to make changes to the lighting presets. A single channel or an entire preset can be changed by either entering the levels with the numeric keypad or using the "UP" and "DOWN" arrow keys. These changes can be made temporarily or, if desired, permanently stored in the EEPROM memory within the dimmers. The facility of making temporary changes is quite useful as potential new presets can be created in the actual location and reviewed by senior staff before changing the stored settings. The original settings are not lost until the SAVE function is confirmed. Presets are also easily copied using the handheld programmer. This saves time when many, slightly changed presets are required.

controls

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- The *LCD Display* shows screens of information that can be modified by the user.
- The *Numeric Keys* are used to enter numeric information and select menu items.
- The *Cursor Keys* are used to modify fields and navigate menus.
- The *Cancel Key* abandons changes that have been made to field values.
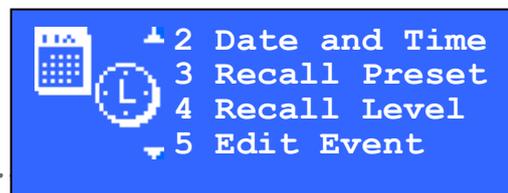- The *OK Key* accepts changes that have been made to field values.

menu

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The DPP601 menu allows you to access the various screens of the product, using one of the following methods:
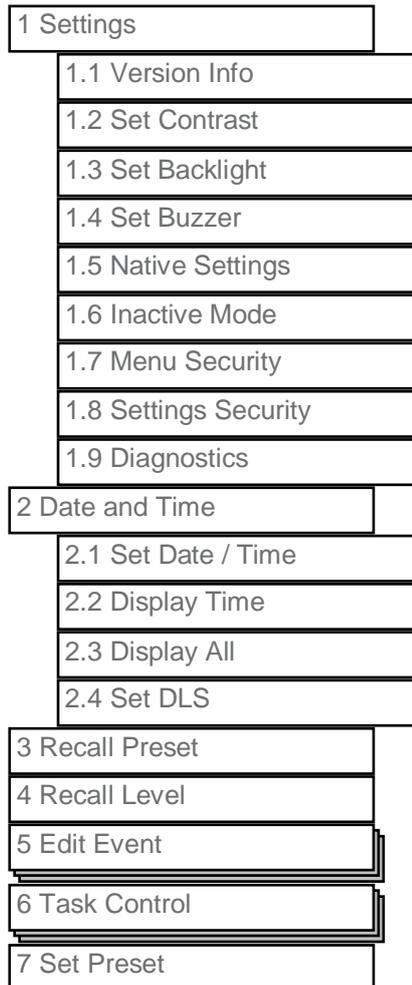
- A menu may be highlighted using the *Cursor Keys*, and the desired item may be selected by pressing the *OK Key*.
- If you know the menu item number it can be selected by pressing *Menu* then the menu number. For example *Menu, 1, 4* will select the *Set Buzzer* screen.

Small arrows are displayed to the left of the list indicating that there are more menu items available off screen.

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menu map

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1 Settings
1.1 Version Info
1.2 Set Contrast
1.3 Set Backlight
1.4 Set Buzzer
1.5 Native Settings
1.6 Inactive Mode
1.7 Menu Security
1.8 Settings Security
1.9 Diagnostics

2 Date and Time
2.1 Set Date / Time
2.2 Display Time
2.3 Display All
2.4 Set DLS

3 Recall Preset

4 Recall Level

5 Edit Event

6 Task Control

7 Set Preset

fields

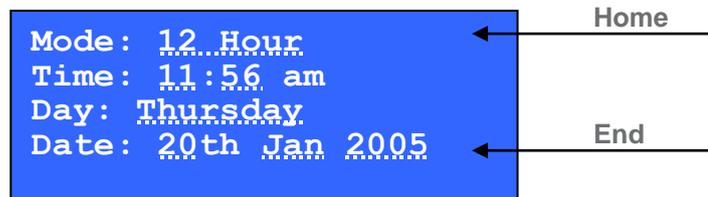..

Fields that can be edited are marked with a dotted underscore.
This section explains the types of fields that appear on screen in this product. These fields are used to collect information and issue commands to the Dynalite system.

Fields can be highlighted (inverted) in an ordered sequence on the screen. The first field in the sequence is called the *Home* field and the last field in the sequence is called the *End* field.

```
Mode: 12 Hour          ◄──── Home
Time: 11:56 am
Day: Thursday
Date: 20th Jan 2005    ◄──── End
```

When a screen is displayed the home field is automatically highlighted, the next field can be highlighted using the *OK Key* and the previous field can be highlighted using the *Cancel Key*. When the *Cancel Key* is pressed while the home field is highlighted the previously displayed screen is shown and changes are discarded.

When the *OK Key* is pressed while the end field is highlighted, the previously displayed screen is shown and changes are saved (you will notice the end field will blink to indicate changes have been saved).

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field types

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- **Numeric Field**   A numeric value can be directly entered using the Numeric Keys, or the value may be adjusted using the Up Cursor and Down Cursor. If an incorrect value is entered, wait 2 seconds and enter the desired value.

- **List Field** An item from a list of options can be selected with the Up Cursor or Down Cursor keys. When the end of the list is encountered the list is cycled back to the beginning.

- **Page Selector field**   This field is similar to the List field however a change to the selected item cause changes to other fields displayed on the screen. More complex screens have multiple pages and these pages may be navigated using the page selector field. An option to save or discard changes is also provided.

```
Event:  2 View: Time
Trigger: Before Sunrise
Time:  -10:00:00
```

```
Event:  2 View:    Enable
Enable: Disabled
```

common tasks

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The settings described in this section can be easily configured by the manager of the system. For more advanced configurations see the screen reference section of this guide or contact your Dynalite trained technician.

set the time clock

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The time may be set from the Date and Time menu, or via the DyNet network.

Press *Menu*, 2, 1.

- The **Mode** field sets the display mode to 12 / 24hr.
- The **Time** field sets the actual time.
- The **Day** field sets the day of the week.
- The **Date** field sets the calendar date.

```
Mode: 12 Hour
Time: 11:56 am
Day: Thursday
Date: 20th Jan 2005
```

Press *Menu*, 2, 4.

- The **DLS** field enables or disables the daylight savings (summer time) feature.
- The **Beg** field sets the date and time when the daylight savings period begins.
- The **End** field sets the date and time when the daylight savings period ends.
- The **Adj** field sets the number of minutes to advance the clock when the daylight savings period begins.

```
DLS: Enabled
Beg: Last Sun Oct 2:00am
End: Last Sun Mar 2:00am
Adj: 60 minutes
```

Note, that the time displayed on all screens is expressed in local time, i.e. adjusted for daylight savings.

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run a task
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Tasks are sequences of commands that form the automatic functions of your Dynalite system; they are created by the Dynalite trained technician who commissioned your system.

For example a *Dusk Task* may be configured in your system. Its job could be to switch on all outdoor lighting, and raise the indoor lighting level gradually to compensate for the lack of natural light.

Tasks can be run manually by selecting the *Task Control* menu item
Press *Menu*, 6.

- The **Task** field is used to select the task number to control (your technician can provide a list of tasks).
- The **Action** field is used to select the operation select *Start* to run a task, and press OK.
- The **Status** field indicates the current state of the task, complex tasks can take some time to execute. This shows when a task is complete.

```
Task:  1
Action: Start
Status: Stopped
```

enable or disable an event
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You may want to prevent a scheduled event from running on a particular day. For example an event is configured in your system to water the lawn each evening at 10pm. You are planning to have a party and want to ensure the watering system does not ruin your party.

Events can be disabled from the Edit event menu item.
Press *Menu*, 5.

- The **Event** field is used to select the event number to control (your technician can provide a list of events).
- The **View** field is used to select the page, select enable, and press *OK*.
- The **Event** field is used to select the enabled state of the event.

```
Event:  2 View: Time
Trigger: At Time
Time:   10:00:00 pm
```

```
Event:  2 View: Enable
Event:  Disabled
```

recall a preset
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The DPP601 can be used to recall a preset in any area of the system.
Press *Menu*, 3.

- The **Area** field sets the area number to control.
- The **Preset** field sets the preset number that will be issued.
- The preset will be issued after a short delay or after you press *OK*.

```
Area:   4
Preset: 6
```

Note. The **Area** field may not be displayed on this screen if the native area of the panel has been set to a fixed area. This can be changed from the *Menu* 1, 5
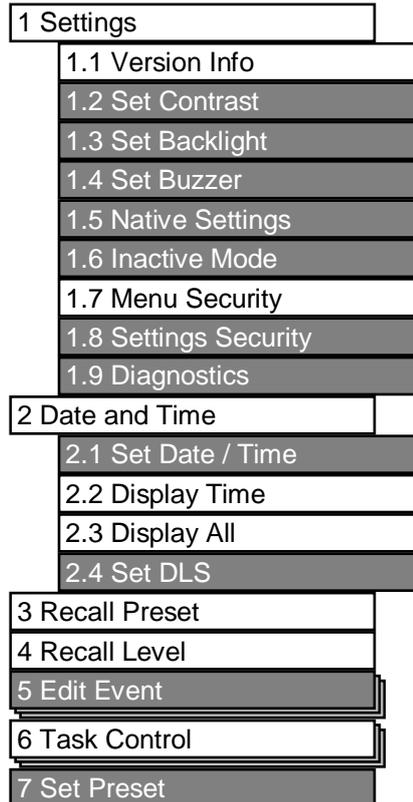
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Set preset

The DPP601 can edit channel levels in a preset and save those levels back to the controllers for that area. Select the Area and Preset to edit, and the DPP601 will query the network and display the current channel levels for that preset.

The channels may be navigated and their levels set using the cursor keys. As the levels are edited the changes are transmitted onto the DyNet network, giving real time feedback for each channel's level

Once the desired levels have been set for each of the channels, select 'Save' and the DTC will program the selected preset to those levels.

The screens of the DPP601 are can be protected by enabling the security settings. The screens are partitioned into two levels of security as follows.

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These partitions can be protected with an access code, giving the following security options:

- No Security Set: Users without an access code can access **all menu** items
- Settings Security Set: Users without an access code can access only **non shaded menu** items
- Menu Security Set: Users without an access code **cannot access any menu** items

specifications

Supply
9-16V DC at 100mA from the DyNet network
Control IO
1 x RS485 DyNet serial port
User Controls
1 x 122 x 32 pixel rear lit LCD display
1 x 12 button LCD transport keys
1 x 12 button numeric keypad
Compliance
CE, C-Tick

Operating Environment
0° to 50° C ambient temperature
0% to 95% RH non condensing
Construction
1.6mm stainless steel faceplate/body
Dimensions
DPP601: H 79mm x W 143mm x D 25mm
Weight
Packed weight 0.4kg