

LED Illumination

Compact 2 and Jumbo

Publication Number PB123/0408

Application

The Dewhurst range of LED illuminators are designed for use with pushbuttons and indicators in the Compact 2 and Jumbo ranges.

Use of these solid state light sources eliminates costly bulb replacements and ensures that essential pushbuttons and indicators are permanently illuminated for the passenger's convenience. With an average lifetime of 100,000 hours these LED illuminators will provide maintenance-free operation for the life of the lift. LED illuminators also consume much less power than incandescent bulbs, reducing controller loading.

Operation

LED illuminators can be supplied fitted to new pushbuttons or indicators, or retrofitted to existing buttons installed with bulb illumination. Simply remove and discard the bulb holder and terminal moulding and insert the LED illuminator. Ensure you have selected a unit of the correct voltage (see overleaf).

Optional "Dual Level" illuminating LED's are available that allow permanent low level illumination of the legend which then goes to full illumination on call acceptance.

Another option available is dual-illumination 'bi-colour' which allows a permanent low level (dim) illumination of the legend, typically white, which goes to full illumination on call acceptance using any colour LED.

The LED illuminator is fully interchangeable with the standard incandescent bulb holder unit and is fitted with the same 250 series push-on connectors.






When retrofitting LED illuminators, care must be taken to ensure that the operating supply falls within $\pm 15\%$ of the nominal 12 or 24 volts. Any supply transformer which previously provided this voltage to incandescent bulbs may need to be adjusted due to the low current drain of the LED units, e.g. using a 15 volt transformer for 12V operation will reduce the LED life.

Current driven LED Illuminator (20mA) are for use with controllers where the lift controllers determine the average LED current. They must never be connected to a "voltage" supply. (Note: The dual 20mA units are only this specification for "Full" illumination terminals, the permanent low level illumination terminals (labelled "Dim" or "Half") are for direct connection to a 24V supply - take extra care when wiring.

Every LED illuminator is soak-tested before despatch to eliminate infant mortality problems and ensure an extended life.

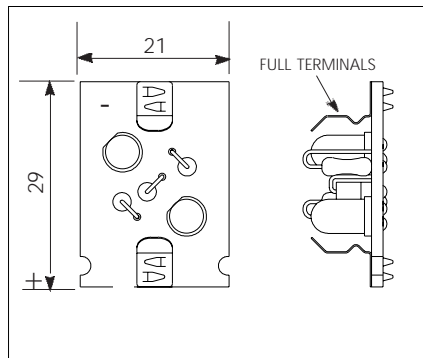
(See Installation Instruction Publication No: II027).

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Contact your local sales office:

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|------------------|--|-----------------|-----------------|-----------------------|----------------------|
| Australia |  Australian lift components | t 02 9603 0200 | f 02 9603 2700 | info@alc.au.com | www.alc.au.com |
| |  lift material | t 02 9310 4288 | f 02 9698 4990 | info@liftmaterial.com | www.liftmaterial.com |
| Canada |  dupar controls | t 519 624 2510 | f 519 624 2524 | info@dupar.com | www.dupar.com |
| UK |  LiftStore | t 020 8538 1770 | f 020 8538 1771 | info@liftstore.com | www.liftstore.com |
| USA |  the fixture company | t 847 214 3100 | f 847 214 2771 | info@thefixtureco.com | www.thefixtureco.com |

LED ILLUMINATION FOR DEWHURST PUSHBUTTONS AND INDICATORS COMPACT 2 & JUMBO

STANDARD LED UNITS



SINGLE ILLUMINATION

| Part Number: | Description: | Colour (Full): | Part Number: | Description: | Colour (Full): |
|-----------------|-------------------|----------------|---------------|----------------|----------------|
| 004042-600010 | 2 LED PCB 12V | Red | 004042-603005 | 2 LED PCB 30V | White |
| * 004042-600200 | 2 LED PCB 12-110V | Red | 004042-603007 | 2 LED PCB 30V | Amber |
| 004042-600600 | 2 LED PCB 6V | Red | 004042-603008 | 2 LED PCB 30V | Blue |
| 004042-600604 | 2 LED PCB 6V | Green | 004042-604800 | 2 LED PCB 48V | Red |
| 004042-600605 | 2 LED PCB 6V | White | 004042-604804 | 2 LED PCB 48V | Green |
| 004042-600607 | 2 LED PCB 6V | Amber | 004042-604805 | 2 LED PCB 48V | White |
| 004042-600608 | 2 LED PCB 6V | Blue | 004042-604807 | 2 LED PCB 48V | Amber |
| 004042-601200 | 2 LED PCB 12V | Red | 004042-604808 | 2 LED PCB 48V | Blue |
| 004042-601204 | 2 LED PCB 12V | Green | 004042-611000 | 2 LED PCB 110V | Red |
| 004042-601205 | 2 LED PCB 12V | White | 004042-611004 | 2 LED PCB 110V | Green |
| 004042-601207 | 2 LED PCB 12V | Amber | 004042-611005 | 2 LED PCB 110V | White |
| 004042-601208 | 2 LED PCB 12V | Blue | 004042-611007 | 2 LED PCB 110V | Amber |
| 004042-602400 | 2 LED PCB 24V | Red | 004042-611008 | 2 LED PCB 110V | Blue |
| 004042-602404 | 2 LED PCB 24V | Green | 004042-620000 | 2 LED PCB 20mA | Red |
| 004042-602405 | 2 LED PCB 24V | White | 004042-620004 | 2 LED PCB 20mA | Green |
| 004042-602407 | 2 LED PCB 24V | Amber | 004042-620005 | 2 LED PCB 20mA | White |
| 004042-602408 | 2 LED PCB 24V | Blue | 004042-620007 | 2 LED PCB 20mA | Amber |
| 004042-603000 | 2 LED PCB 30V | Red | 004042-620008 | 2 LED PCB 20mA | Blue |
| 004042-603004 | 2 LED PCB 30V | Green | | | |

All boards are coloured to match colour of LED's

Supply Options

FULL

6 Volts a.c. or d.c. $\pm 15\%$
 12 Volts a.c. or d.c. $\pm 15\%$,
 24 Volts a.c. or d.c. $\pm 15\%$,
 30 Volts a.c. or d.c. $\pm 15\%$,
 48 Volts a.c. or d.c. $\pm 15\%$,
 110 Volts a.c. or d.c. $\pm 15\%$,
 <20mA Average and <125mA Peak

* Multivolt PCB 12-110V a.c. or d.c. $\pm 15\%$

Consumption Values:

For all Illuminators 20mA or less

Operating Temperature: -20°C to +60°C

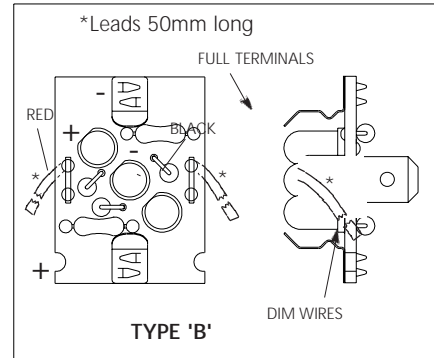
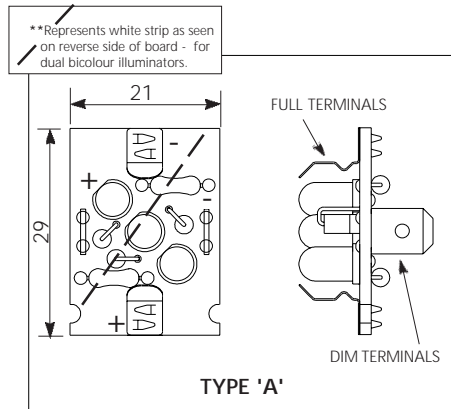
Storage Temperature: -30°C to +80°C

Ordering

If replacing a unit determine the voltage, and colour required and count the number of LED's.

LED ILLUMINATION FOR DEWHURST PUSHBUTTONS AND INDICATORS COMPACT 2 & JUMBO

DUAL ILLUMINATED LED UNITS



| Part Number: | Description: | Colour (Dim/Full): | Part Number: | Description: | Colour (Dim/Full): |
|---|----------------|--------------------|---|----------------|--------------------|
| DUAL ILLUMINATION (Type 'A') with spades | | | DUAL ILLUMINATION (Type 'B') with leads | | |
| 004042-700604 | 3 LED PCB 4V | Green | 004042-720014 | 3 LED PCB 20mA | Green |
| 004042-700605 | 3 LED PCB 6V | White | 004042-720017 | 3 LED PCB 20mA | Amber |
| 004042-700608 | 3 LED PCB 6V | Blue | 004042-800604 | 3 LED PCB 6V | Green |
| 004042-701200 | 3 LED PCB 12V | Red | 004042-800605 | 3 LED PCB 6V | White |
| 004042-701204 | 3 LED PCB 12V | Green | 004042-800608 | 3 LED PCB 6V | Blue |
| 004042-701205 | 3 LED PCB 12V | White | 004042-801207 | 3 LED PCB 12V | Amber |
| 004042-701207 | 3 LED PCB 12V | Amber | 004042-802400 | 3 LED PCB 24V | Red |
| 004042-701208 | 3 LED PCB 12V | Blue | 004042-802404 | 3 LED PCB 24V | Green |
| 004042-702400 | 3 LED PCB 24V | Red | 004042-802405 | 3 LED PCB 24V | White |
| 004042-702404 | 3 LED PCB 24V | Green | 004042-802405 | 3 LED PCB 24V | Amber |
| 004042-702405 | 3 LED PCB 24V | White | 004042-802407 | 3 LED PCB 24V | Amber |
| 004042-702407 | 3 LED PCB 24V | Amber | 004042-802408 | 3 LED PCB 24V | Blue |
| 004042-702408 | 3 LED PCB 24V | Blue | DUAL ILLUMINATION BI-COLOUR (TYPE 'A') with spades | | |
| 004042-703000 | 3 LED PCB 30V | Red | 004042-701250 | 3 LED PCB 12V | White/Red |
| 004042-703004 | 3 LED PCB 30V | Green | 004042-701254 | 3 LED PCB 12V | White/Green |
| 004042-703005 | 3 LED PCB 30V | White | 004042-701257 | 3 LED PCB 12V | White/Amber |
| 004042-703007 | 3 LED PCB 30V | Amber | 004042-701258 | 3 LED PCB 12V | White/Blue |
| 004042-703008 | 3 LED PCB 30V | Blue | 004042-701274 | 3 LED PCB 12V | Amber/Green |
| 004042-720000 | 3 LED PCB 20mA | Red | 004042-702440 | 3 LED PCB 24V | Green/Red |
| 004042-720004 | 3 LED PCB 20mA | Green | 004042-702450 | 3 LED PCB 24V | White/Red |
| 004042-720005 | 3 LED PCB 20mA | White | 004042-702454 | 3 LED PCB 24V | White/Green |
| 004042-720007 | 3 LED PCB 20mA | Amber | 004042-702457 | 3 LED PCB 24V | White/Amber |
| | | | 004042-702458 | 3 LED PCB 24V | White/Blue |
| | | | 004042-702474 | 3 LED PCB 24V | Amber/Green |
| | | | DUAL ILLUMINATION BI-COLOUR (TYPE 'B') with leads | | |
| | | | 004042-702460 | 3 LED PCB 24V | White/Red |
| | | | 004042-702464 | 3 LED PCB 24V | White/Green |
| | | | 004042-702467 | 3 LED PCB 24V | White/Amber |
| | | | 004042-801274 | 3 LED PCB 12V | Amber/Green |

All boards are coloured to match colour of LED's.

Supply Options DIM/FULL

6 Volts a.c. or d.c. $\pm 15\%$
 12 Volts a.c. or d.c. $\pm 15\%$,
 24 Volts a.c. or d.c. $\pm 15\%$,
 30 Volts a.c. or d.c. $\pm 15\%$,
 48 Volts a.c. or d.c. $\pm 15\%$,
 110 Volts a.c. or d.c. $\pm 15\%$

~20mA Average Full, ~2mA Average DIM and <125mA Peak

Consumption Values:

For all Illuminators 20mA or less

Operating Temperature: -20°C to +60°C

Storage Temperature: -30°C to +80°C

Ordering

If replacing a unit determine the voltage, and colour required and count the number of LED's.