DEWHURST

US91-EN Jumbo Pushbutton

A classic circular button designed to meet the requirements of the EN81-70 standard with its black pressel providing a clear contrast to the tactile legend. The extra-large pressel is primarily designed for use in larger buildings such as hospitals, airports and shopping centres.

The pushbutton is made up of four elements: switch body, illumination, pressel, and surround. This data sheet includes information on each element and the options available.

SWITCH BODY

The switch body is the functional part of the pushbutton. The US91-EN Jumbo is available with the Jumbo and Jumbo P switch bodies.

PRESSEL

The pressel is the faceplate of the pushbutton. Standard US91-EN Jumbo pressels are a black anodised plate moulded with opal polycarbonate. Green and yellow material finishes are available for exit floor and alarm buttons.

There is an extensive range of pressel legends to choose from. All legends are 30mm high and tactile, with bespoke characters available on request.

ILLUMINATION

Single, dual and bicolour+ LED illumination options are available for the US91-EN Jumbo. These illuminate both the legend and the halo. They are easily replaceable and available in blue, white, red, amber and green.

SURROUND

The surround is the element of the pushbutton which sits in front of the pressel and clicks into the switch body. US91-EN Jumbo pushbutton surrounds are available in a wide variety of material, depth and colour.

Standard material finishes include clear plastic, chrome, brass, satin chrome, black and green.

Image shows US91-EN Jumbo pushbutton with Jumbo switch body, chrome surround, and black anodised pressel.

KEY FEATURES

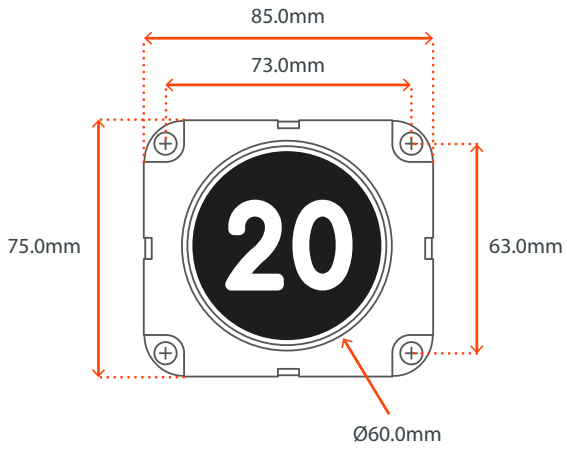
- Standard black extra-large pressel finish moulded with opal polycarbonate.
- Meets EN81-70 standard for accessible lifts.
- Extensive range of pressel legends to choose from with bespoke designs available on request.
- Identical appearance to the standard sized US91-EN, so both sizes can be used together.
- Legends are 30mm high and tactile.
- Legend and halo illumination.
- Vandal resistant - meets EN81-71.

Switch body | Jumbo & Jumbo P

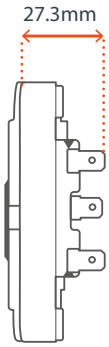
The switch body is the functional part of the pushbutton. Both the Jumbo and Jumbo P switch bodies offer the full range of illumination options as well as all possible contact configurations. They also both accept shunt boards.

Dimensions

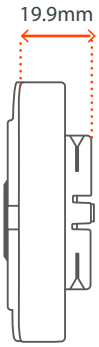
Front view



Jumbo



Jumbo P



The Jumbo P switch body is low profile

Technical details

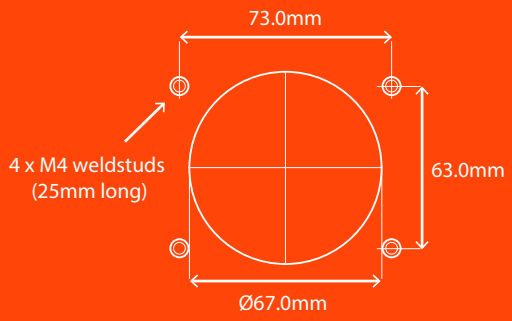
Power (continuous)	2.5 watts (maximum)
Contact arrangements	2 Normally Open contacts
	2 Normally Closed contacts
	1 Normally Open contact and 1 Normally Closed contact
Wago cable size	Up to 0.75mm ^{2} solid or flexible (only apply slight pressure when inserting/removing cable)

Environmental protection (IP rating)	EN60529 (IP54)
Vandal resistance	EN81-71
Code compliance	EN81-20, EN81-70

Dewhurst Jumbo & Jumbo P switch bodies are designed and tested to last

over 10 million operations

Cutouts & stud positions



Pushbuttons with Jumbo and Jumbo P switch bodies can be supplied loose or incorporated into stations. These have a vertical pitch of 80mm and horizontal pitch of 90mm, which means the pushbutton body can be rotated 90 degrees.

If the pushbutton is supplied loose, spacers will be provided to accommodate the differing faceplate thickness.

Illumination

There are a wide range of interchangeable and easily replaceable LED illumination options available for Dewhurst pushbuttons. All options illuminate both the legend (character or symbol) and the halo (circle of light created between the pressel and the surround).

The US91-EN Jumbo offers a choice of single, dual and bicolour+ illumination, all of which are available with Jumbo and Jumbo P switch bodies. LED colours are available in blue, white, red, amber and green.

Single illumination

Before call acceptance	After call acceptance
Both the legend and the halo are non-illuminated	The legend and halo are both illuminated at full brightness of any colour

Dual illumination

Before call acceptance	After call acceptance
Both the legend and the halo are illuminated at 10% of full brightness of any colour	The legend and halo are both illuminated at full brightness of the same colour

Bicolour+ illumination

Before call acceptance	After call acceptance
Both the legend and the halo are illuminated at full brightness of any initial colour	The legend and halo are both illuminated at full brightness of a different colour

Technical details

LED current	20mA (typically)
LED voltage (±15%)	12V DC, 24V DC, 110V AC

Pressel

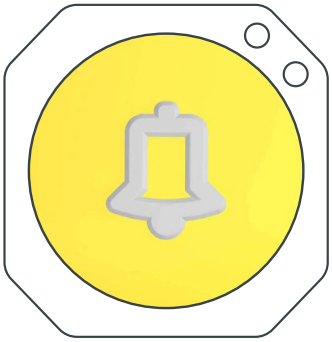
The pressel (the faceplate of the Dewhurst pushbutton) is available in the below standard material finishes for the US91-EN Jumbo. There is an extensive range of pressel legends to choose from. All legends are 30mm high and tactile, with bespoke characters available on request.

Material finishes

Black anodised

Green anodised

Yellow anodised



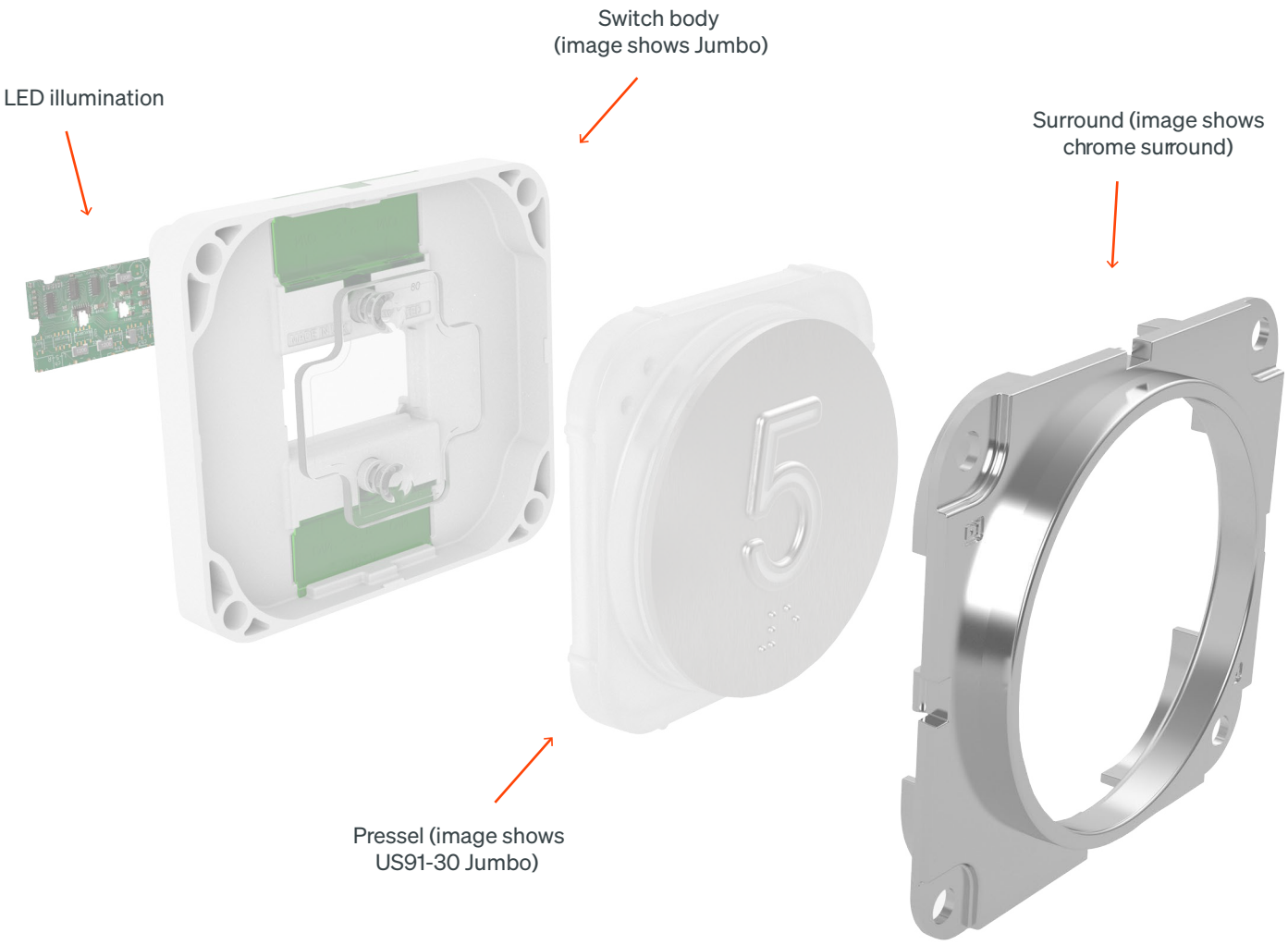
Standard US91-EN Jumbo pressels are moulded with opal polycarbonate, but other colours are available on request.

Surround

The surround is the element of the pushbutton which sits in front of the pressel and clicks into the switch body. Dewhurst pushbutton surrounds are available in a wide variety of material, depth and colour.

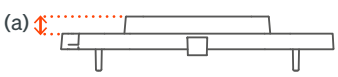
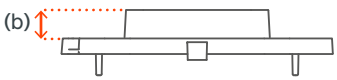
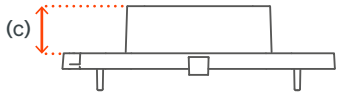
Material finishes

Standard material finishes include clear plastic, chrome, brass, satin chrome, black and green.



Surround depths

All measurements are the protrusion through the faceplate.

EN/B44	AUS	EN81-70 Exit
		
(a) 4.5mm	(b) 6mm	(c) 7mm

Cleaning your Dewhurst pushbutton

Many Dewhurst lift products are made of polycarbonate. The weatherproof pushbutton is highly durable and vandal resistant, but plastic parts can be damaged by aggressive cleaning agents.

Recommended guidance

Clean with a cotton cloth and warm water before applying the cleaning product.

Use PH-neutral or slightly acid cleaning products only (including aromatised ones).

Ethylic alcohol , isopropyl alcohol or ethylene glycol based multipurpose cleaning poducts and dish soaps are suggested. Dilute the cleaning product in warm water and apply using a wet cotton cloth.

Grease, glue and paint may be removed with ethylic alcohol or isopropyl alcohol .

DO NOT USE

- X Abrasive cleaning agents
- X Cleaning agents at high temperatures
- X Antibacterial detergent
- X Sharp tools to remove dirt (chewing gum, glue, etc.)
- X Solvents based with Ketones, benzene, methanol, toluene (methylbenzene or phenyl methane)
- X Alkaline and ammonia based cleaning agents or ones containing citrus

DO NOT leave cleaning agents on the parts for long periods of time: remove immediately after cleaning using a damp cotton cloth.

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