Weatherproof pushbutton

The Dewhurst weatherproof pushbutton uses innovative proprietary waterproof technology integrated within our compact 3 XR pushbutton body. The circular shaped pushbutton has been tested to IP55.
The pushbutton is made up of five elements: switch body, illumination, pressel, moulded seal & O ring and C3 IP protected surround.

The character or symbol, can be with braille (US95 style) or without braille (US91 style), the pressel finish can be a wide range of materials and the legend and halo (light created between the pressel and the surround) can be illuminated in a wide variety of colours.

Pressel

The pressel is the faceplate of the pushbutton. Dewhurst Weatherproof pushbuttons use extended depth pressels, which can either be with braille (US95 style) or without braille (US91 style). The pressel finish can be a wide range of materials. There is an extensive range of pressel legends available.

C3 IP protected surround

The IP protected surround seals the pushbutton to the faceplate through a high density foam layer. The specially designed quality metal surround has a unique cavity to ensure correct fitment of the pressel and the seal.

Switch body

The functional part of the pushbutton - the weatherproof pushbutton is available with Dewhurst Compact 3 and Compact 3P switch bodies.

Illumination

Single, dual, and bicolour+ LED illumination options are available for the weatherproof pushbutton. These illuminate both the legend and the halo. They are easily replaceable and available in blue, white, red, yellow and green.

Moulded seal & O ring

The high durability rubber moulded seal and O ring are essential to weatherproofing the product. These items easily slide on to the pressel and restrict moisture and dust from getting into the working mechanism of the pushbutton.
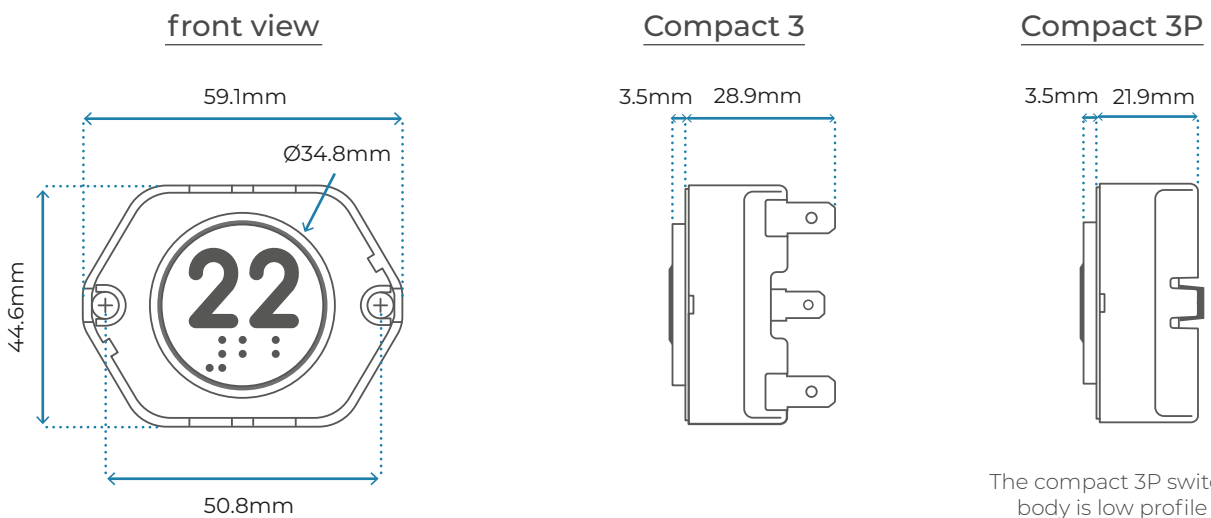
Key features

· Extensive range of pressel legends and styles to choose from including with or without braille

· Legends are 15mm high and can be moulded tactile or flush

· Legend and halo illumination

· Pushbutton tested to IP55 from the front

· Vandal resistant – meets EN81-71

· Extensive range of standard material finishes for the pressel plate

· Proprietary XR chemical resistant XR compact 3 pushbutton technology

Switch body

The switch body is the functional part of the pushbutton. Both the Compact 3 and 3P switch bodies offer the full range of illumination options as well as all possible contact configurations. They are now available in XR chemical resistant material.
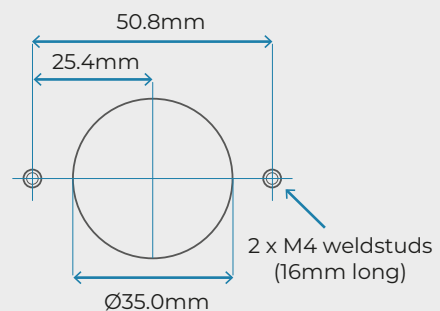
Dimensions

front view

59.1mm

Ø34.8mm

44.6mm

50.8mm

Compact 3

3.5mm   28.9mm

Compact 3P

3.5mm   21.9mm

The compact 3P switch body is low profile

Designed and tested to last
over **1 million operations**

Technical details

Material	XR chemical resistant material (clear)

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

Environmental protection	IP55 (from the front)
Vandal resistance	EN81-71
Code compliance	EN81-20, EN81-70

Cutouts & stud positions

50.8mm

25.4mm

2 x M4 weldstuds (16mm long)

Ø35.0mm

Pushbuttons with Compact 3 and Compact 3P switch bodies can be supplied loose or incorporated into stations. These have a vertical pitch of 50mm and a horizontal pitch of 60mm (Compact 3), or 80mm (Compact 3P), which means the switch body can be rotated 90 degrees.

Spacers are available to accomodate 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 (the light created between the pressel and the surround).

The design offers a choice of single, dual and bicolour+ illumination, all of which are available with both Compact 3 and Compact 3P switch bodies. LED colours are available in blue, white, red, yellow and green.

Technical details

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

single illumination

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

dual illumination

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

bicolour+ illumination

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

Pressel

The pressel is the faceplate of the pushbutton, available in a range of standard material finishes (see below).

Dewhurst Weatherproof pushbuttons use extended depth pressels and have an extensive range of pressel legends to choose from. All legends are 15mm high and tactile, and available with braille (US95 style) or without braille (US91 style). Bespoke characters are available on request.

Material finishes

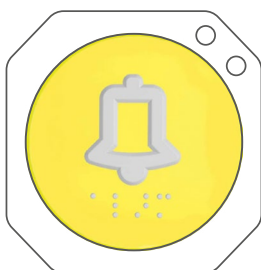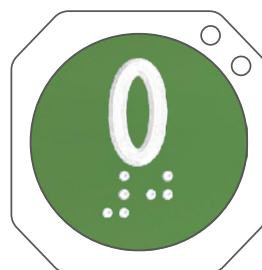| brushed stainless steel	mirror stainless steel	brushed brass	mirror brass

black anodised	yellow anodised	green anodised

Moulding

Standard pressels are moulded in opal XR material.
Other polycarbonate moulding colours available on request.

Components

The pushbutton is made up of five elements: switch body, illumination, pressel, moulded seal & O ring and C3 IP protected surround. See diagram and part numbers below.
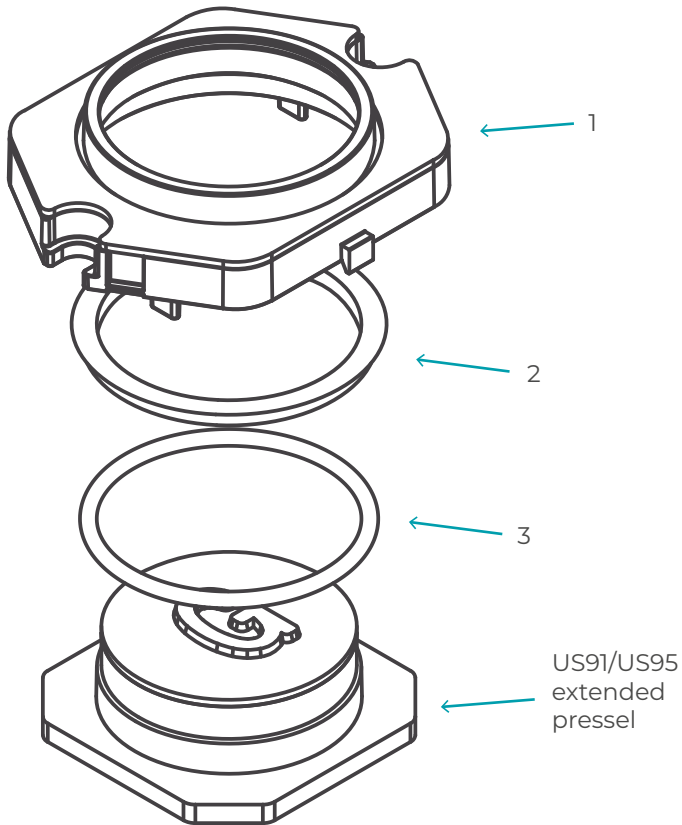
1

2

3

US91/US95 extended pressel

Diagram item number	Part number	Description
1	1551-0001	C3IP Surround Sub Assy
2	1552-0002	Moulded Seal for C3 IP
3	610020-031020	O-Ring 31mm x 2mm

For a full list of part numbers & for any order inquiries please contact **orders@dewhurst.co.uk** or one of our distribution partners. Details for our distribution partners can be found on our website.

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 products 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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