US90-EN Compact 2

Publication Number: PB3004 DEC/11



Dewhurst US90-EN Compact 2 Pushbutton

The US90-EN Pushbutton is a classic square button designed to meet the requirements of EN81-70. The black background to the pressel provides a clear contrast to the tactile legend and also to the faceplate as required by EN81-70. On call acceptance the legend itself illuminates brightly and you have the choice of many colour options. The US90-EN is available with the standard Compact 2 body or Compact 3, a useful option for surface mount fixtures.

Features & Benefits

- 15mm high tactile legend
- A halo of light between the pressel and surround via a patented hidden recess encircles the pressel and illuminates the legend
- Legend & halo can be constantly illuminated at half intensity, switching to full intensity for indication of position or call acceptance
- Large range of pressel legends
- Matching range includes keyswitches, rocker switches and indicators
- Also available with C3 body
- Vandal resistant with stainless steel front
- Meets EN81-1/2, EN81-70, EN81-71 (Category 2), EN81-72, EN81-73, EN60529 (IP54)

Illumination, Finishes & Marking

- Wide range of colours for illumination including (non), red, yellow, green, blue and white
- Black pressel finish with extended green button for main exit floor, or yellow finish for alarm button*
- Range of surround finishes and heights - chrome, brass, black - 3.0 and 7.10mm
- Single, dual and bicolour illumination
- A large range of legends in Helvetica Medium characters & symbols are available
- 15mm high opal tactile legends are formed during the moulding of the pressel body

* Standard pressels are a black plate moulded with opal polycarbonate

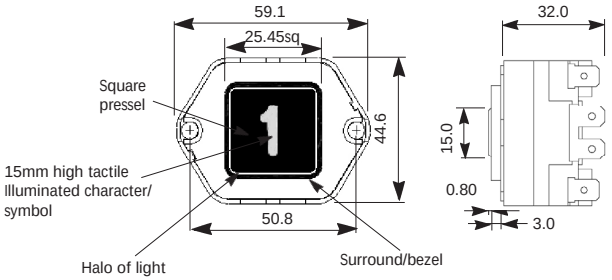


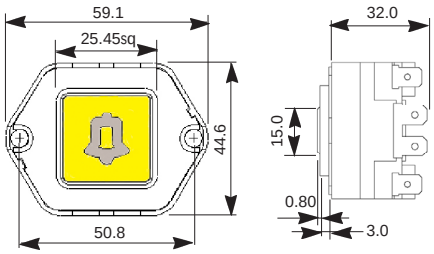
Colours

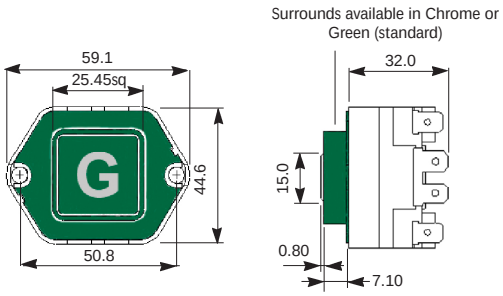


Finishes

Dimensions





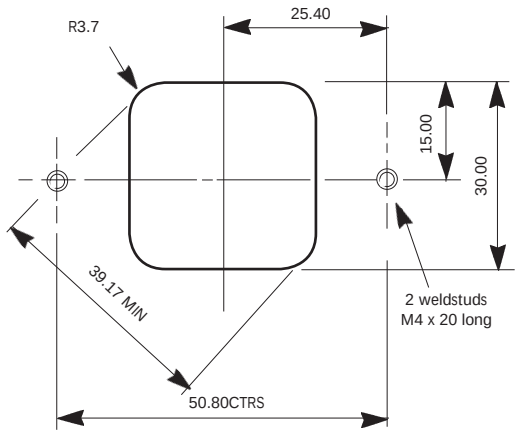


Compact 2 Pushbuttons can be supplied loose or incorporated into stations with 1.5mm or 2.5mm stainless steel faceplates, with a vertical pitch of 50mm and horizontal pitch of 60mm i.e the pushbutton body can be rotated through 90 degrees (horizontal version shown above). If pushbuttons are supplied loose, spacers are provided to accommodate the differing faceplate thickness.

Technical Details

Weight:	70grms		
Moulded in:	High grade polycarbonate		
Pressel plate material:	Anodised aluminium (black, green, yellow)		
Pressel plate area:	620mm²		
Button force:	3.5N		
Pushbutton size:	59.1mm w x 44.6mm h x 32.0mm d		
Pressel size:	24.2mm w x 24.2mm h x 3.2mm d		
Legend size:	15mm high, Helvetica medium characters		
LED current:	20mA (typically)		
LED voltage:	12/24/30/48/110V a.c./d.c. ±15%		
Bulb wattage:	3 max		
Bulb voltage:	12/24/110V		
Operation:	Wiping action, slow make and break with solid silver contacts		
Ratings:	10 amps max		
	240V a.c. at 3.0 amps max. resistive loads	- min. no. of operations:	1×10^6
	240V d.c. at 0.5 amps max. resistive loads	- min. no. of operations:	2×10^6
	110V d.c. at 100mA max. inductive TC40ms	- min. no. of operations:	1×10^6
	12V d.c. at 5mA max. resistive loads	- min. no. of operations:	10×10^6
Contact arrangements:	2 N/O, 2 N/C or 1 N/O + 1 N/C	Please note that it is possible for the N/O contact to make before the N/C contact has opened on the 1 N/O + 1 N/C configuration	
Code compliance:	Meets EN81-1/2, EN81-70, EN81-71(Category 2), EN81-72, EN81-73		
IP Rating:	EN60529 (IP54)		

Cutouts & Stud Positions



Publication Number: PB3004 DEC/11

Cleaning your US90-EN Pushbutton

Many **Dewhurst** lift products are made of **polycarbonate** (Using GE's **Lexan**® or Bayer's **Makrolon**®).

The US90-EN is highly durable and vandal resistant but the plastic parts can be damaged by aggressive cleaning agents, Dewhurst therefore recommends:



Clean the part 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.

Recommended Cleaning Products (*):

Europe	**North America**
Windus - Brial Top - Ecolab Mr. Proper Surfaces Delicates - Proctor & Gamble Palmolive, Colgate Palmolive	Formula 409® Cleaner Degreaser Joy®, Proctor & Gamble Windex, Drackett Products Palmolive, Colgate Palmolive

(*) Due to the vast number of cleaning products available on the market, the list of recommended products above is an illustration only

Note:

- Do not use abrasive cleaning agents
- Do not use sharp tools to remove dirt (chewing gum, glue, etc.)
- Do not use solvents based with Ketones, benzene, methanol, toluene (also known as methylbenzene or phenyl methane) or alkaline and ammonia based cleaning agents
- Do not use cleaning agents at high temperatures
- Do not leave cleaning agents on the parts for long periods: remove immediately after cleaning using a wet cotton cloth and warm water
- Do not use dry cotton cloths and sponges