

Standard/Deep Key Switch

Dewhurst key switches are designed to complement our range of pushbuttons and indicators and are available in a wide range of options such as plastic or stainless steel finishes, illumination and flat keys or round (high security) keys. They are suitably rated to cater for typical applications in lift installations requiring key switch control such as fans, lighting and transfer of car operation controls.

OPERATION

All Key Switches, except spring return, are supplied for the key to remain set at 90° positions. Key removable and trapped positions are indicated overleaf.

CONSTRUCTION

A lock barrel, with either a standard flat key or high security round key, or fireman triangular lock to meet EN81-72 (§5.8.1) is fixed into the switch body assembly which has stainless steel, brass or red or black plastic front finishes. The switch body is then securely fixed to a faceplate. The switch body carrying the contact blocks is designed so that any loads are not borne by the contacts.

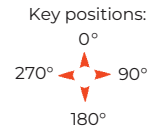


KEY FEATURES

- Styled to match pushbutton ranges
- Numerous key options
- Contact block configurations for all requirements
- Key switch function can be engraved on the face of the key switch itself (US91 = round switches only)
- LED halo red illumination (flat key only)

Technical Information

	Movement	Flat key type & release	Round key type & release	Contact options
Standard Movement	0°-90°	F1 F2	R1 R2	A or C only
	270°-0°	F1 F2	R1 R5	D only
	270°-0°-90°	F1 F2	R1 R2 R3 R5	G or I or J or T
Spring Movement	0°-45°	F1	R1	P or Q only
	315°-0°-45°	F1	R1 Removable position	S only



ORDERING

To order, combine the finish and the mechanical. For example, if you require a US91 deep keyswitch in brush stainless steel to go 0-90° with a flat key and contact A, the code is KUS91D BS F1 A.

To order equivalents of commonly used Dewhurst keyswitches you need to use the following codes for the last three digits.

Flat Key		Round Key	
Old	New	Old	New
KA-R	F2M	KA-R	R4M
KA-T	F1M	KA-T	R6M
KB-R	F2A	KB-R	R2A
KB-T	F1A	KB-T	R1A
KS	F1Q	KS	R1Q

Please remember to include in the code the first seven digits to indicate style, finish and illumination.

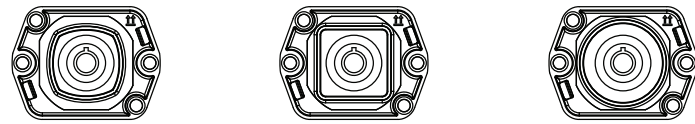
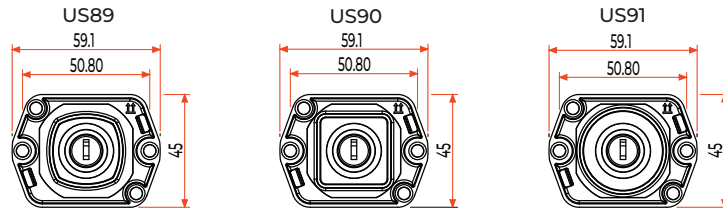
BS = Brushed Stainless Steel
MS = Mirror Stainless Steel
BB = Brushed Brass
MB = Mirrored Brass

Options	Style/shape			Finish		Mechanical		H24 = Halo
	Obround US89	Square US90	Round US91	Stainless Steel	Brass	Key type & release option	Contact Arrangement	
Code	KUS89D	KUS90D	KUS91D	BS MS	BB MB	Select one of F1/F2 or R1-R6 FR = FIREMANS	Select one of A-Y using table below	

A	KEY POSITION	C	KEY POSITION	D	KEY POSITION	G	KEY POSITION	I	KEY POSITION
CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°
1-2	O C - -	1-2	O C - -	1-2	O - - C	1-2	O C - -	1-2	O C - -
3-4	O C - -	3-4	C O - -	3-4	O - - C	3-4	O O - -	3-4	O C - -
-	- - - -	5-6	O C - -	-	- - - -	-	- - - -	5-6	O O - -
-	- - - -	7-8	C O - -	-	- - - -	-	- - - -	7-8	C C - -
MOVEMENT 90°		MOVEMENT 90°		MOVEMENT 90°		MOVEMENT 180°		MOVEMENT 180°	
J	KEY POSITION	P	KEY POSITION	Q	KEY POSITION	S	KEY POSITION	T	KEY POSITION
CONTACT	0° 90° 180° 270°	CONTACT	0° 45° 180° 270°	CONTACT	0° 45° 180° 270°	CONTACT	0° 45° 270° 315°	CONTACT	0° 90° 180° 270°
1-2	O C - -	1-2	O C - -	1-2	O C - -	1-2	O C - -	1-2	O C - -
3-4	O C - -	3-4	O C - -	3-4	C O - -	3-4	O C - -	3-4	O C - -
5-6	O O - -	-	- - - -	-	- - - -	5-6	O O - -	5-6	O O - -
7-8	O O - -	-	- - - -	-	- - - -	7-8	O O - -	-	- - - -
MOVEMENT 180°		SPRING RETURN TO 0°		SPRING RETURN TO 0°		SPRING RETURN TO 0°		MOVEMENT 180°	
Z	KEY POSITION	AA	KEY POSITION	AB	KEY POSITION	AC	KEY POSITION	AD	KEY POSITION
CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	0° 90° 180° 270°	CONTACT	330° - 0° - 30°
1-2	C O - -	1-2	C O - -	1-2	O C C -	1-2	O O - -	1-2	O - - C
3-4	O C - -	3-4	O C - -	3-4	O O C -	3-4	C O - -	3-4	C - - C
-	- - - -	5-6	C O - -	-	- - - -	-	O C - -	5-6	O - - C
-	- - - -	7-8	O C - -	-	- - - -	-	C C - -	7-8	O - - C
MOVEMENT 90°		MOVEMENT 90°		MOVEMENT 90°-180°		MOVEMENT 180°		MOVEMENT 60°	
AF	KEY POSITION	AH	KEY POSITION	AJ	KEY POSITION	AK	KEY POSITION	AL	KEY POSITION
CONTACT	0° 30° - -	CONTACT	0° 45° - -	CONTACT	0° 45° 90° 135° 180°	CONTACT	0° 45° 90° 135° 180° 225°	CONTACT	0° 45° 90° 135° 180° 225° 270°
1-2	O C - -	1-2	O C - -	1-2	C O O O	1-2	C O O O	1-2	C O O O
3-4	O C - -	3-4	C O - -	3-4	O O O O	3-4	O O O O	3-4	O O O O
5-6	- - - -	5-6	O C - -	5-6	O C O O	5-6	O O O O	5-6	O C O O
7-8	- - - -	7-8	C O - -	7-8	O O O O	7-8	O O O O	7-8	O O O O
MOVEMENT 30°		SPRING RETURN TO 0°		MOVEMENT 180°		MOVEMENT 225°		MOVEMENT 270°	

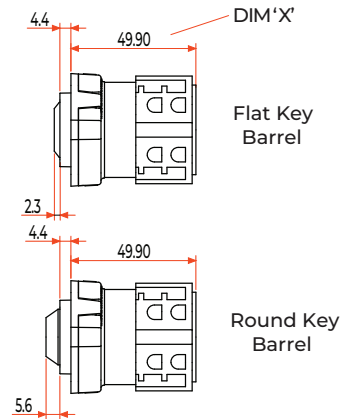
Technical Information

Dimensions



Fireman's (FR)
Available in all shapes
(US89/90/91)

LED halo illumination (red)
(flat key only)



DIM 'X'	CONTACT ARRANGEMENT
41.60	A, D, G, P, Q
49.90	C, I, J, S, T

Technical details

Weight	103gms (max)
Moulded in	High grade polycarbonate
Environmental protection	IP54 (frontal presentation)
Metal front	Brushed stainless steel (standard), mirrored stainless steel, brass & mirrored brass (optional)
Approved to	UL, CSA, LUL
Conforms to	BSEN60947-3, IEC 60947-3, VDE 0660 Part 107

Rating	5A@240V a.c.15, 6.0A@110V d.c., 20A@24V d.c.
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Maximum wire gauge per terminal is 2 x 2.5mm².
The Key Switches can be supplied loose, or incorporated into stations with 1.5mm, 2.5mm stainless steel or 3mm brass faceplates with a vertical pitch of 50mm and horizontal pitch of 60mm. Spacers are provided to enable flush mounting.

