

## Conventional Manual Call Points KR1 and KSR1 (Weatherproof)

### SPECIFICATION DATA



### FEATURES

- Can be used for normally open or closed circuits
- Flush or surface mounted
- Simple testing
- Full range of accessories
- Reduced risk of false alarms
- Glass protective coating reduces risk of operator injury
- Range of markings in different languages

### DESCRIPTION

The KR1 is a conventional call point for indoor use. The KSR1 is a weatherproof manual call point, sealed to IP67. Both models provide single pole change-over switching, rated up to 250V ac, and may be used in both normally open or closed circuits. The units are manufactured from modified polyphenylene oxide, and are available with a range of markings in different languages to suit a wide range of applications.

The KR1 is suitable for both flush or surface mounting, and can be supplied with purpose made plastic or metal boxes, or as separate units for use with standard general purpose installation boxes. Boxes should have a depth of 25mm.

The KSR1 comes complete with an integral surface mounting box, and consists of a back box manufactured from glass filled nylon and a waterproof front. All weatherproof models are fitted with a sealed switch and are provided with a stainless steel earthing strip.

Whilst both models are of the "break glass" type, they differ from traditional conventional models because they hold the alarm switch in the "off" position with the edges of the glass rather than with the centre. This eliminates the risk of false alarms caused by glasses breaking on their own, and of glass fragments preventing the switch from operating. A protective plastic coating on the glass prevents operator injury and inhibits the release of glass fragments. No hammer is required.

Testing is simple using the special "test key" provided. A full range of accessories and replacement parts are also available. Special application models are available in a range of colours with a variety of functional markings.

### SPECIFICATIONS

#### Construction:

KR1: Modified polyphenylene oxide

KSR1:

Back Box: Glass filled nylon

Front: Modified polyphenylene oxide

#### Dimensions:

KR1: 87mmH X 87mmW

KSR1: 124mmH X 124mmW

#### Contact Rating:

Silver contacts, single pole changeover

Maximum Contact Resistance:

KR1: 200 milliohms

KSR1: 150 milliohms

KR1:

250V ac: 8.0A

50V dc resistive: 3.0A

30V dc resistive: 8.0A

30V dc inductive: 3.0A

KSR1:

250V ac: 5.0A

50V dc resistive: 1.0A

30V dc resistive: 5.0A

30V dc inductive: 3.0A

#### Terminals:

Up to 2.5mm<sup>2</sup> solid conductor

#### Protection:

KSR1: to IP67

#### Environmental Limitations:

Temperature: -30 to +70°C

## Accessories:

A) The following accessories can be ordered separately to the call points:

### Replacement Glasses, Reference KG1-xx/<Language>:

Replacement glasses are available in most European languages. These are supplied in packs of 5, 10, 25 & 50.

Typical reference: KG1-25/Italian.

### Spare Test Keys, Reference SC035:

Each call point is supplied with a test key. Replacements can be ordered in packs of 10.

### Breakable Cover Seal, Reference M96:

Breakable cover seals are available in packs of 5.

### Flush Mounting Bezel, reference BZB:

The flush mounting bezel is not a normal requirement when a call point is flush mounted. This accessory can however be used where a decorative surround is required, or an oversized hole has been made.

### “No Glass” Call Points:

#### Universal Operating Element, Reference KF1 or /F:

The KR1 and KSR1 usually contain a glass operating element. With the exception of “Ex” models KSRZ1, all models can be converted to “No Glass” form by replacing the glass with a Universal Operating Element. This option is particularly relevant to environments where glass fragments are unacceptable, such as food factories or swimming pools. Universal Operating Elements can be supplied individually packed or ordered with the call point. Please specify the language required.

Typical model reference: KR1/SR/F

Note: Units with an operating element which does not break do not comply with BS5839: Pt 2

### KSR1 only:

#### Nylon Cable Gland, Reference CG1:

The gland has a M20 thread and is provided with a polythene sealing washer. It is supplied fitted with a rubber bush suitable for cables between 4 and 7mm diameter A second nitrile rubber bush is also provided, suitable for cables between 7 and 10.5mm diameter. This compression type cable gland is suitable for normal operating temperatures between -20 to +100°C.

#### Replacement “O” Ring, Reference M63:

If the front cover is removed from a Weather-proof manual call point, the “O” ring should be replaced. The rings are supplied in packs of 5.

B) The following accessories are available at the time of ordering call points. Their reference numbers should be added to the model reference number, as per the examples given.

#### Transparent Hinged Covers, Reference /C:

Call points can be supplied with polycarbonate , transparent, hinged covers which provide additional protection from accidental operation.

Typical model reference: KSR1/C-Fire

#### Key Slot Blank, Reference /B:

A call point fitted with a transparent hinged cover and a breakable cover seal can still be operated by using a test key. Fitting a key slot blank prevents this.

Typical model reference: KR1/C/B- Fire

#### Glass Substitute Card, Reference /GS:

Call points can be supplied fitted with a glass substitute card instead of the usual glass, to help reduce on-site vandalism. The G/S card should be replaced by a glass or Universal Operating Element when the system is handed over.

Typical model reference: KSR1/GS- House Flame

## Mounting Boxes for KR1 Models:

Mounting boxes for KR1 models can be ordered separately or together with the call point, as shown in the table below. The backs of all mounting boxes have a 20mm diameter opening and fixing holes.

#### Surface Mounting Plastic Boxes:

These are moulded in the same material as the call point. They have plain sides, but holes are easily cut as required using the template provided.

SR: Red, SW: White, SY: Yellow, SG: Green, SB: Blue

#### Surface Mounting Metal Boxes:

These are pressure die-cast zinc based alloy and are epoxy powder coated to match the call point colour. Four 20mm diameter cable entry holes are provided, fitted with plastic hole stoppers.

MR: Red, MW: White, MY: Yellow

#### Flush Mounting Box, Reference MSB1:

PVC, 38mm deep flush mounting box. One fixing pillar is adjustable.

**Model References for KR1:**

<b>Main Colour</b>	<b>Red</b>	<b>White</b>	<b>White</b>	<b>Yellow</b>	<b>White</b>	<b>Blue</b>	<b>Green</b>
<b>Interior Colour</b>	<b>Black</b>	<b>Red</b>	<b>Blue</b>	<b>Black</b>	<b>Black</b>	<b>Black</b>	<b>Black</b>
Basic Model, No Mounting Box	KR1	KWR1	KWB1	KY1	KW1	KB1	KGG1
With Plastic Surface Mounting Box	KR1/SR	KWR1/SW	KWB1/SW	KY1/SY	KW1/SW	KB1/SB	KGG1/SG
With Metal Surface Mounting Box	KR1/MR	KWR1/MW	KWB1/MW	KY1/MY	KW1/MW	-	-
With Transparent Cover	KR1/C	KWR1/C	KWB1/C	KY1/C	KW1/C	KB1/C	KGG1/C
With Plastic Box and Transparent Cover	KR1/SR/C	KWR1/SW/C	KWB1/SW/C	KY1/SY/C	KW1/SW/C	KB1/SB/C	KGG1/SG/C
With Metal Box and transparent Cover	KR1/MR/C	KWR1/MW/C	KWB1/MW/C	KY1/MY/C	KW1/MW/C	-	-

**Model References for KSR1:**

<b>Main Colour</b>	<b>Red</b>	<b>White</b>	<b>White</b>	<b>Yellow</b>	<b>White</b>	<b>Blue</b>	<b>Green</b>
<b>Interior Colour</b>	<b>Black</b>	<b>Red</b>	<b>Blue</b>	<b>Black</b>	<b>Black</b>	<b>Black</b>	<b>Black</b>
Basic Model, No Mounting Box	KSR1	KSWR1	KSWB1	KSY1	KSW1	KSWB1	KSWG1
With Transparent Cover	KSR1/C	KSWR1/C	KSWB1/C	KSY1/C	KSW1/C	KSWB1/C	KSWG1/C

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