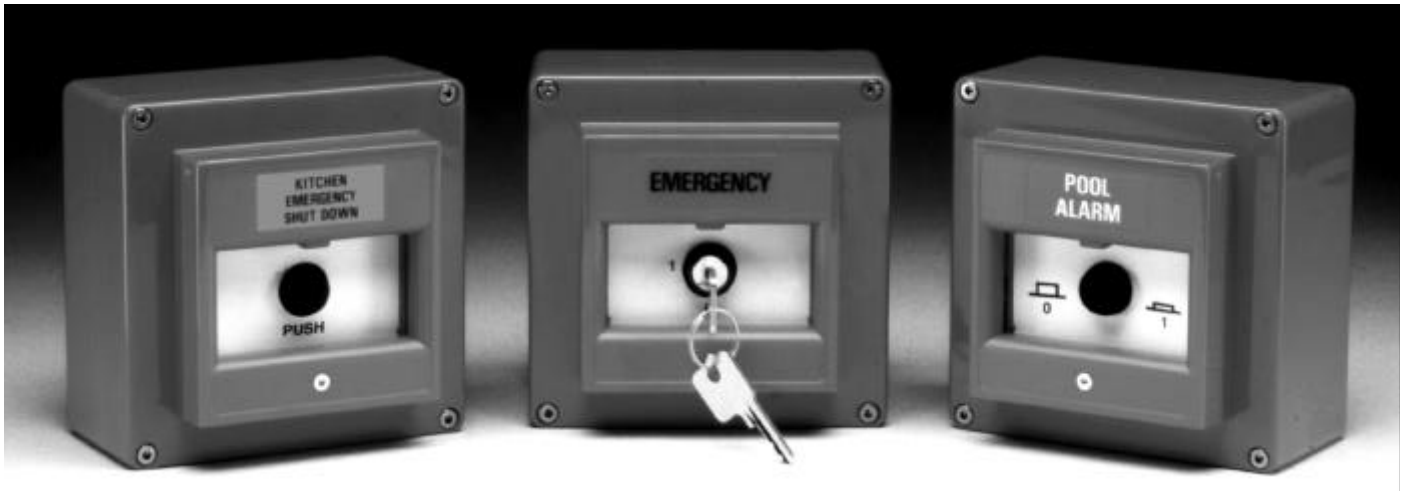




# RAINPROOF KEY AND PUSH BUTTON OPERATED CALL POINT MODELS WR7/9101, WR7/9302, WR7/9304 AND THEIR DERIVATIVES



These models employ the time proven CLASS 7000 Rainproof mechanical package to which is fitted suitably protected switching devices. The switching devices are key operated or push button type.

All switching devices provide double pole switching, the pushswitches may be either momentary action or latching type.

Ingress Protection is IP65.

## CONSTRUCTION

The Terminal Enclosure is injection moulded in a Polycarbonate and ABS blend. The particular grade is self extinguishing V-0 to U.L. 94.

The integrity of the Terminal Enclosure employs a tongue and groove system with a sealing gasket. Cable access holes must be cut in the Enclosure; indents provided in the upper and lower edges identify suitable locations for access holes. Compression glands, such as CG2 described on Page 3, can be used to effect cable access to the enclosure without impairing its integrity.



The connections of the switching device are brought out on six flying leads.

## MODEL VARIANTS

The model references in the above heading show all of the 'Listed' electrical variants in Red; the 'R' in their reference denotes the colour Red. Models are manufactured in other colours as explained on Page 2.

### KEYSWITCH MODELS:

'101' in the model reference refers to a two position keyswitch with the key removable in both positions.

This switch is type 'APEM AO1 series keylock switch'. Models can be manufactured fitted with other compatible keyswitches of this series to special order.

### MINIATURE PUSHSWITCH MODELS:

'302' in the model reference refers to MOMENTARY ACTION;

'304' in the model reference refers to LATCHING TYPE.

Switches are IDEC 'A' series miniature pushswitch.

Technical data of these switching devices is provided on Page 2.

## MODEL REFERENCES

The model references listed in the heading of the title page are in the style 'WR7/9000'; the 'R' denotes the colour Red.

Models are also manufactured in White and in Yellow. Demand does not justify their manufacture in Blue or in Green but White models with either Blue or Green lids are manufactured. The following table illustrates the style of model references for call points in other colours:

TABLE OF CALL POINT COLOUR REFERENCES				
RED	YELLOW	WHITE	WHITE WITH GREEN LID	WHITE WITH BLUE LID
WR7/9000	WY7/9000	WW7/9000	WW-G7/9000	WW-B7/9000

*In these references the '000' needs to be replaced by the three numeric digits of the switching device, example '101'. Also, the required 'Function Marking' needs to be added.*

FUNCTION MARKING - example 'ABORT' - must always be specified. The availability of function markings is explained in the column right. The following are examples of complete Model References:

WW7/9101-EVACUATE ALARM  
 WY7/9302-EMERGENCY STOP  
 WW-B7/9304-ABORT

## SWITCHING DEVICE DATA

### Type Keyswitch '101'

APEM A01 series keylock switch. Two position, key removable in both positions.

Switching contacts are gold clad with a maximum contact resistance of 10 milliohms at 1A 4VDC.

Maximum Voltage: 250VAC 50Hz  
 Resistive load: 6A at 250VAC

Operating temperature range: -20°C to +55°C

### Type Pushswitches '302' and '304'

IDEC 'A' series miniature pushswitches.

**302** - Momentary Action (press to operate, as a bell push)

**304** - Latching Type (contacts transfer each time the button is pressed)

Switching contacts are gold clad with a maximum contact resistance of 50 milliohms.

Maximum Voltage: 250VAC 50Hz  
 Resistive load: 0.5A at 220VAC  
 1A at 110VAC  
 1A at 24VDC

Operating temperature range: -25°C to +55°C

## FUNCTION MARKINGS

These are provided in one of two ways:

1. On high quality printed labels, colour matched to the call point, or
2. Printed directly on to the call point.

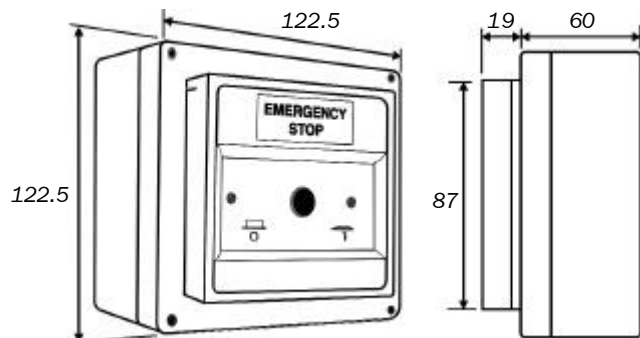
More than 250 function markings exist on labels and an even greater number on printing plates. New markings can be created, for which additional charges are made. The call point price includes the cost of a function marking on a label; on printed markings a set up charge applies.

The KAC sales office will be pleased to provide details of available function markings. Alternatively, an up to date list of available markings can be found on our website [www.kac.co.uk](http://www.kac.co.uk)

## ESCUTCHEON PLATE MARKING

The call point price includes the cost of the appropriate standard escutcheon plate marking, as illustrated on page 1. Other markings can be provided, for which additional charges are made. For an up to date list of available markings, see our website [www.kac.co.uk](http://www.kac.co.uk) or contact our sales office.

### Nominal dimensions of Class 7/9000 call points in millimeters.



## ACCESSORIES

### REPLACEMENT GASKETS

Reference: P055

Supplied in packs of 5.

Example: 4 packs of 5 P055 = 20 gaskets.

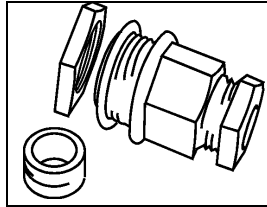
If the front is removed from a Rainproof call point after it has been in service, the gasket should be replaced.

### NYLON CABLE COMPRESSION GLANDS

Reference: CG2

A nylon compression gland having M20 male thread and locknut.

Suitable for cables between 4 and 10.5mmØ.



### REPLACEMENT LIDS

Replacement lids can be supplied in the event of damage or an alternative function marking requirement. Orders must specify the Lids are for CLASS 7000 Models and the function marking required.

### TRANSPARENT HINGED COVER

Reference: M298

All CLASS 7000 models can be fitted with a transparent hinged cover which provides additional protection against accidental operation. The cover must be raised before the call point can be operated.



### BREAKABLE COVER SEAL

Reference: M355

Supplied in packs of 5.

Example: 4 packs of 5 M355 = 20 seals.

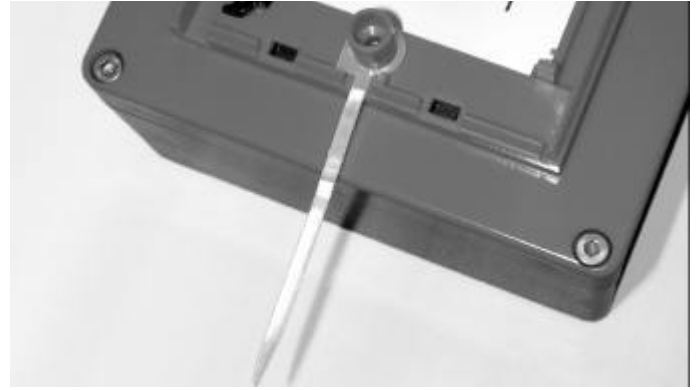
A hinged cover fitted with a seal M355 can only be lifted by breaking the seal.

*M355 can be used with the previous model of transparent hinged cover for which old seal M96 was produced but M96 cannot be used with new cover M298.*

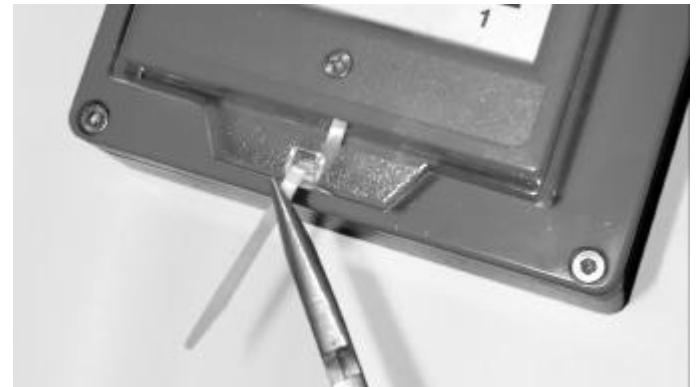


## OPERATION OF HINGED COVER SEAL

One end of the thermoplastic seal is held captive as shown.



The other end passes through the toothed hole in the cover and is pulled tight.



The seal is then trimmed.



The cover may now only be lifted by breaking the seal; an additional guard against improper use.

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