

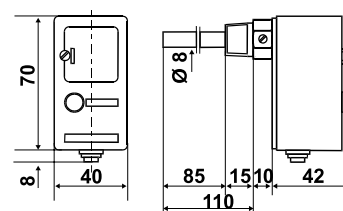
# C06

## Positive safety lockout immersion thermostats

Positive safety lockout thermostats, for boilers and heating systems, should be connected in series with a control thermostat.



Dimensions (mm)



	Lockout action	Action tolerance	Admissible body temperature	Maximum bulb temperature	Protection degree
C06A3M	100 °C	+ 0 - 6 °C	85 °C	150 °C	IP40
C06B3M	90 °C	+ 0 - 6 °C	85 °C	150 °C	IP40

\*The differential is subtracted from the range value. The differential values refer to a thermal gradient of 1K/hour in liquid and 4K/hour in air.

## ELECTRICAL FEATURES

Two directions microswitch of instant action with manual reset with silver alloy contacts.

Contact parameters in compliance with EN 60730-1: 15(6)A 250V~ 50Hz.

Parameters in compliance with EN 60947-5-1:

Nominal insulation voltage:  $U_i$  380V~.

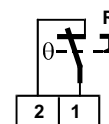
Nominal continuous current:  $I_{th}$  15A.

Nominal operating current  $I_e$ : 220V~ 250V~ 380V~

Resistive load AC-12 - 15A 10A

Inductive load AC-15 - 2,5A 1,5A

Direct current DC-13 0,2A - -



## STANDARDS AND APPROVALS

Compliance with standards EN 60947-5-1, EN 60730-1.



## INSTALLATION

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Direct immersion mounting of the bulb via threaded sheath GC 1/2 (included in the package).

## OPERATION

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When the temperature increases are opening the contacts 1-2.

Liquid expansion function.

If the system reaches the limit temperature, the thermostat interrupts the electrical circuit and to reactivate it is necessary to act on the manual reset (after the temperature has dropped until ~ 25 ° C).

In case of breakdown or failure of its sensing element, the thermostat interrupts the electrical circuit and is no longer possible to reactivate the system (is necessary to replace the thermostat).

## FEATURES

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Sensing element with stainless steel diaphragm.

Copper bulb and capillary.

Copper sheath with GC 1/2 PN10 connection.

Base, cover and knob in shock-proof self-extinguishing thermoplastic material V0.

Electrical connection output with PVC cable gland.

The storage and transport temperature: -35T 60°C

Unit weight: 0,22 Kg.

## ACCESSORIES

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303298LA

Cable gland G1/2 for connection output in shock-proof self-extinguishing thermoplastic material V0.



G30

Copper sheath GC 1/2 PN10 bar, length 100mm, Ø 8mm.

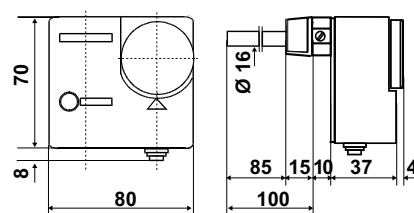
# C07A3M

## Control and lockout immersion bithermostat

Positive safety control and lockout immersion bithermostat for boilers and heating systems.



Dimensions (mm)



	Temperature range	Lockout action	Adjustable differential	Lockout action tolerance	Calibration accuracy	Protection degree
C07A3M	10 ÷ 90 °C	100 °C	6 ± 1 K	+ 0 - 6 °C	± 3 °C	IP40

\*The differential is subtracted from the range value. The differential values refer to a thermal gradient of 1K/hour in liquid and 4K/hour in air.

## ELECTRICAL FEATURES

Two directions microswitch of instant action with manual reset with AGcdO contacts.

Contact parameters in compliance with EN 60730-1: 15(6)A 250V~ 50Hz.

Parameters in compliance with EN 60947-5-1:

Nominal insulation voltage:  $U_i$  380V~.

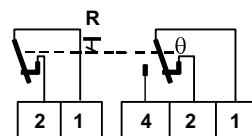
Nominal continuous current:  $I_{th}$  15A.

Nominal operating current  $I_e$ : 220V~ 250V~ 380V~

Resistive load AC-12 - 15A 10A

Inductive load AC-15 - 2,5A 1,5A

Direct current DC-13 0,2A - -



## STANDARDS AND APPROVALS

Compliance with standards EN 60947-5-1, EN 60730-1

CE 0497 c RU US 03

## INSTALLATION

Direct immersion mounting of the bulb via threaded sheath GC 1/2 (included in the package).

## OPERATION

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When the temperature increases are opening the contacts 1-2.

Liquid expansion function.

The thermostat controls the temperature in the values range from 10 to 90°C; if the system reaches the limit temperature, the lockout thermostat interrupts the electrical circuit and to reactivate it is necessary to act on the manual reset (after the temperature has dropped until ~ 25 ° C).

In case of breakdown or failure of its sensing element, the thermostat interrupts the electrical circuit and is no longer possible to reactivate the system (is necessary to replace the thermostat).

## FEATURES

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The bithermostat consists of a C03A3 and a C06A3M in one cover and in one sheath.

Sensing element with stainless steel diaphragm.

Copper sheath with GC 1/2 PN10 connection.

Base, cover and knob in shock-proof self-extinguishing thermoplastic material V0.

Electrical connection output with PVC cable gland.

Maximum bulb temperature: 130°C.

The storage and transport temperature: -35 ÷ 120°C .

Admissible body temperature: 120°C.

Unit weight: 0,37 Kg.

## ACCESSORIES

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303298LA

Cable gland G1/2 for connection output in shock-proof self-extinguishing thermoplastic material V0.



G31

Copper sheath with length 100mm, Gc 1/2" PN10.

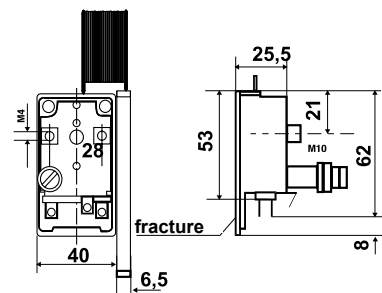
# C09A3M

## Lockout thermostat with manual reset for remote mounting

Positive safety rear panel lockout thermostat, suitable for boilers and heating systems, should be connected in series with a control thermostat.



Dimensions (mm)



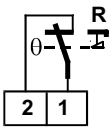
	Lockout action	Action tolerance	Admissible body temperature	Maximum bulb temperature	Capillary lenght	Protection degree
C09A3M	100 °C	+ 0 - 6 °C	85 °C	120 °C	1 mt	IP00

\*The differential is subtracted from the range value. The differential values refer to a thermal gradient of 1K/hour in liquid and 4K/hour in air.

### ELECTRICAL FEATURES

Two directions microswitch of instant action with manual reset with silver alloy contacts.  
Contact parameters in compliance with EN 60730-1: 15(6)A 250V~ 50Hz.  
Parameters in compliance with EN 60947-5-1:

Nominal insulation voltage: $U_i$	380V~.		
Nominal continuous current: $I_{th}$	15A.		
Nominal operating current $I_e$ :	220V~	250V~	380V~
Resistive load AC-12	-	15A	10A
Inductive load AC-15	-	2,5A	1,5A
Direct current DC-13	0,2A	-	-



### STANDARDS AND APPROVALS

Compliance with standards EN 60947-5-1, EN 60730-1.



## INSTALLATION

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Rear panel mounting for thermostat's body.

The bulb with capillary can be mounted remotely and are provided with seal caps or copper sheaths with GC 1/2 Pn10 connection (look ACCESSORIES).

## OPERATION

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When the temperature increases are opening the contacts 1-2.

Liquid expansion function.

If the system reaches the limit temperature, the thermostat interrupts the electrical circuit and to reactivate it is necessary to act on the manual reset (after the temperature has dropped until ~ 25 ° C).

In case of breakdown or failure of its sensing element, the thermostat interrupts the electrical circuit and is no longer possible to reactivate the system (is necessary to replace the thermostat).

## FEATURES

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Sensing element with electrically welded stainless steel diaphragm.

Copper bulb and capillary.

Base in shock-proof self-extinguishing thermoplastic material V0.

The storage and transport temperature: -35T 60°C

## ACCESSORIES

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G23

Seal cap Gc 1/2 PN10 bar, without sheath.



G28

Copper sheath Gc 1/2 PN10 bar, length 177mm, supplied with spring to fix the capillary.