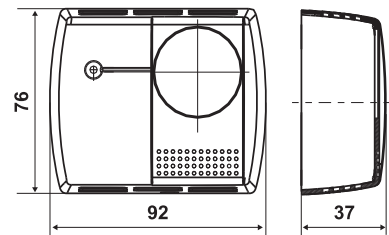# C16
Electromechanical room thermostats with vapor expansion

Room thermostats for ambient temperature control in heating systems, in civil and industrial cooling applications.
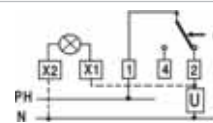

Dimensions (mm)

76

92   37

	Temperarure regulation range	Differential*	Body admissible temperature	Contacts rating	Protection degree
C16 ☐	10 ÷ 30 °C	0,8 K	-10 ÷ 50 °C	10(2,5)A 250Vac	IP20

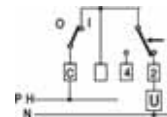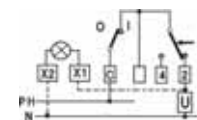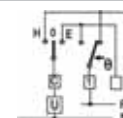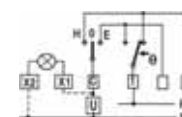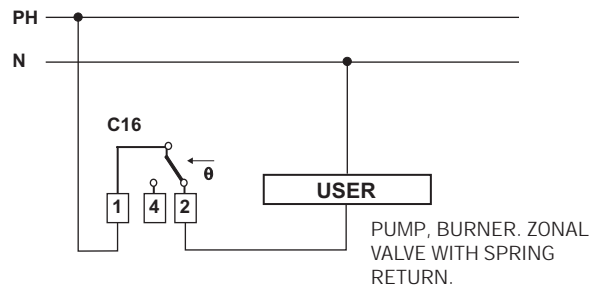|	CONTROL AND SIGNALLING VARIANTS	CONNECTION EXAMPLES (hatched connections by the customer)
L	WITH SIGNALLING LIGHT	
I	WITH ON-OFF SWITCH	
IL	WITH ON-OFF SWITCH AND SIGNALLING LIGHT	
EH	WITH SUMMER-WINTER SWITCH	
EHL	WITH SUMMER-WINTER SWITCH AND SIGNALLING LIGHT	

*The differential value must be deducted from the range value. Differential values are referred to a thermal gradient of 4K/h.

FantiniCosmi

ELECTRICAL FEATURES

Snap action SPDT microswitch with AgNi contacts.
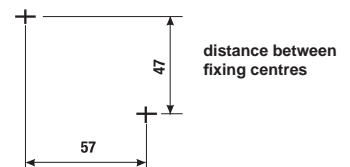Contact rating: 10(2,5)A 250 Vac.

EXAMPLE OF ELECTRICAL WIRING

HOMOLOGATION AND STANDARDS

Complies with EN 60730-2-9 standards

CE EHC

INSTALLATION

Wall mounting.

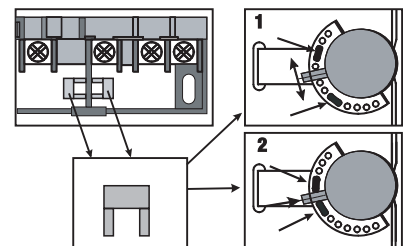**distance between fixing centres**

47

57

OPERATION

When the temperature rises: 1-2 opens, 1-4 closes.
Vapor pressure operation.
The thermostat has 2 thermoplastic clamps, which allow blocking or limiting the scale range, for preventing damages, etc.

SCALE RANGE BLOCKING OR LIMITATION

FEATURES

Sensitive element with electrically welded stainless steel capsule containing saturated vapor.
Base, cover and knob in thermoplastic material.
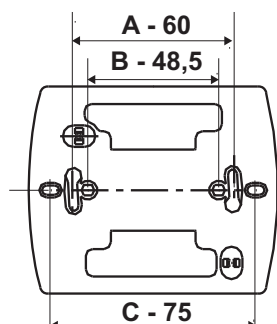Connection with the user with only 2 wires.
Action type 1B.
Protection class I.
Testing class II.
Unit weight 0,14 Kg.

ACCESSORIES

A - 60
B - 48,5
C - 75

TC16
Frame for mounting on:
- A - 60 mm round box, fixing by means of screws.
- B - round box with staples (not supplied).
- C - round box, distance between axes 75 mm.