



MADE IN ITALY

For technical characteristics:
www.icmaspa.it

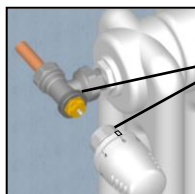


CERTIFICATE OF THERMOSTATIC CONTROL



ICMA IDENTIFICATION NUMBER 87*
THIS CERTIFICATE IS ONLY VALID FOR
THERMOSTATIC CONTROL ART. 1100 WITH
THERMOSTATIC VALVES
ART. 774-775 G1/2

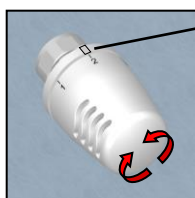
CONNECTION WITH VALVES



CONNECTION
THREAD

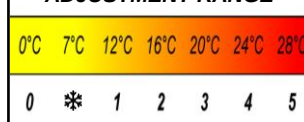
ART.	COLOR	CONNECTION
1100*	WHITE	M28x1,5
1101	WHITE	M30x1,5
1099	CHROME	M28x1,5

TEMPERATURE ADJUSTMENT



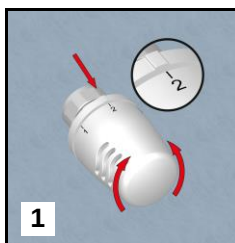
INDICATOR

ADJUSTMENT RANGE

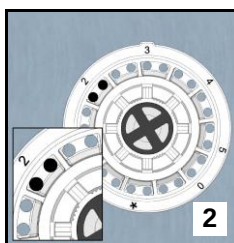


TEMPERATURE BLOCK

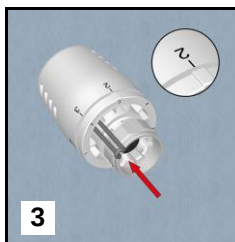
(EXAMPLE OF BLOCK AT VALUE 2)



1



2

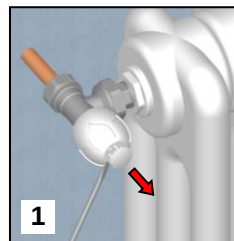


3

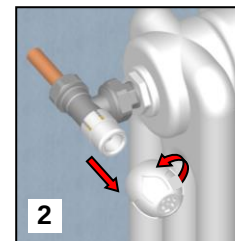


ART. 111100AC06
(OPTIONAL)

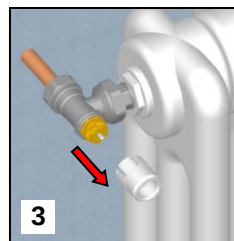
INSTALLATION OF THERMOSTATIC CONTROL



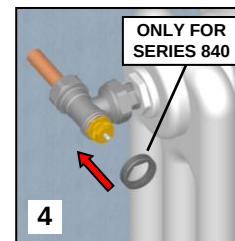
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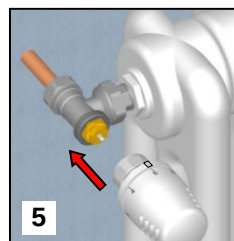
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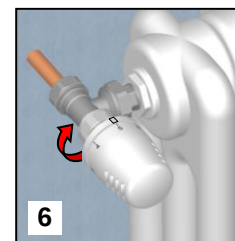
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4



5

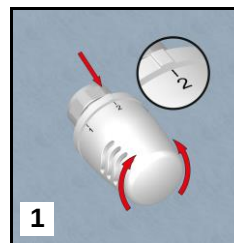


6

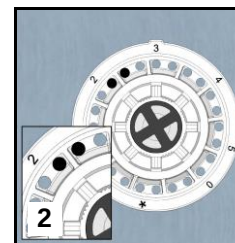
ONLY FOR
SERIES 840

TEMPERATURE LIMITATION

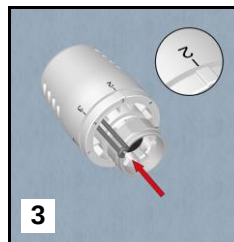
(EXAMPLE OF LIMITATION AA VALUE 2)



1



2



3



ART. 111100AC06
(OPTIONAL)

1 CARATTERISTICHE TECNICHE

I comandi termostatici hanno la funzione di regolare in modo automatico la temperatura ambiente nei luoghi in cui vengono installati mantenendola al valore preventivamente impostato.
Negli ambienti abitativi e lavorativi si trovano spesso fonti di calore quali: elettrodomestici, fornelli, computer o anche la semplice irradiazione solare che, sovrapposti all'effetto dell'impianto di riscaldamento, portano ad un innalzamento della temperatura ambiente non necessario causando uno spreco di calore. I comandi termostatici avvertono queste variazioni di temperatura, ottimizzano l'uso del calore fornito dall'impianto di riscaldamento e portano ad un considerevole risparmio energetico.

Scala di regolazione:	* ± 5
Campo di regolazione temperatura:	7 ÷ 28°C
Condizione di risparmio (posizione):	20°C (3)
Taratura minima di regolazione (posizione antigelo):	ts min 7°C (※)
Taratura massima di regolazione (posizione):	ts max 28°C (5)
Pressione massima di esercizio:	PN 1000 KPa
Pressione massima differenziale:	Δp 100 KPa
Portata nominale - valvola ad angolo e dritta:	qm N 190 Kg/h
Tempo di risposta:	Z 20 min
Autorità:	a 0,9
Isteresi:	C 0,19 K
Influenza pressione differenziale:	D 0,25 K
Influenza temperatura acqua:	W 0,7 K
Temperatura massima di esercizio:	110°C
Temperatura massima di stoccaggio:	50°C
Control Accuracy:	CA 0,2K

EN TECHNICAL SPECIFICATIONS

Thermostatic controls are used to regulate ambient temperature automatically wherever they are installed, keeping the temperature at a preset value.

Residential and working environments often contain other sources of heat, such as electrical appliances, stove-top cookers, computers and sunlight. Combined with the heating system, these additional heat sources cause a needless increase in ambient temperature and the wasting of heat. Thermostatic controls detect variations in temperature thus making it possible to keep heat at optimal temperatures and to provide a considerable saving of energy.

Adjustment range:	* ± 5
Temperature setting range:	7 to 28°C
Saving state (position):	20°C (3)
Minimum set point (freezing protection position):	min ts 7°C (※)
Maximum set point (position):	max ts 28°C (5)
Maximum operating pressure:	PN 1000 KPa
Maximum differential pressure:	Δp 100 KPa
Nominal flow rate - angle and straight valve:	qm N 190 Kg/h
Response time:	Z 20 min
Authority:	a 0,9
Hysteresis:	C 0,19 K
Differential pressure influence:	D 0,25 K
Water temperature influence:	W 0,7 K
Maximum operating temperature:	110°C
Maximum storage temperature:	50°C
Control Accuracy:	CA 0,2K

F CARACTÉRISTIQUES TECHNIQUES

Les têtes thermostatiques servent à régler automatiquement la température ambiante dans les lieux où elles sont installées en la maintenant à la valeur préalablement fixée.

Dans les locaux d'habitation et professionnels, plusieurs sources de chaleur sont souvent présentes : appareils électroménagers, plaques de cuisson, ordinateurs ou tout simplement le rayonnement solaire. Ces sources de chaleur, ajoutées à l'effet du système de chauffage, produisent une augmentation de la température ambiante inutile entraînant un gaspillage de calories. Les têtes thermostatiques relèvent ces variations de température et optimisent l'utilisation de la chaleur fournie par le système de chauffage. Elles permettent ainsi de réaliser une économie d'énergie considérable.

Échelle de réglage :	* ± 5
Champ de réglage de la température:	7 ÷ 28°C
Condition d'économie (position):	20°C (3)
Réglage minimum (position antigel):	ts min 7°C (※)
Réglage maximum (position):	ts max 28°C (5)
Pression maximale de service:	PN 1000 KPa
Pression maximale différentielle:	Δp 100 KPa
Débit nominal - robinet coudé et droit:	qm N 190 Kg/h
Temps de réponse:	Z 20 min
Autorité:	a 0,9
Hystérésis:	C 0,19 K
Sensibilité aux variations de pression	D 0,25 K
Sensibilité aux variations de température d'eau	W 0,7 K
Température maximale de stockage:	50 °
Control Accuracy	CA 0,2K

