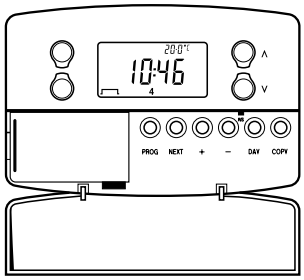
TP7000, TP7000M & TP7000-RF
Electronic Programmable Room Thermostat

Installation Instructions

Technical Specification



Important note RF products: Ensure that there are no large metal objects, such as boiler cases or other large appliances, in line of sight between the transmitter and receiver as these will prevent communication between thermostat and receiver.

Thermostat Features	TP7000-RF		TP7000		TP7000M	
Order code - Built-in sensor model	087N741000	087N741400	087N740000	087N740400	087N740800	087N741900
- Remote sensor model, *(A models)*	087N741100	087N741500	087N740100	087N740500	087N740900	087N742000
Control type - On/Off or chrono- proportional, 3/6 cycles per hour	●		●		●	
Control type - On/Off or chrono- proportional, 6/12 cycles per hour, *(C models)*		●		●		●
RF - wireless thermostat	●					
Hardwired thermostat			●		●	
Digital clock type	24 hour, (can set to AM/PM mode by user)					
Selectable 7-day or 5/2-day operation	Yes					
Number of events per day	Up to 6					
Control temperature range	Off, 5 - 30˚C, (can be set to Fahrenheit by user)					
Total switching differential (On/off mode)	<1.0˚C					
Factory pre-set programme	Yes					
Programmable holiday mode	Yes, up to 99 days					
Installer selectable Optimum start control	Yes - Off, 30, 60, 90 or 120 minutes early switch on at set-point minus 4K					
Themostat mode and frost mode	Yes, set to 1.0˚C, but adjustable between 5 - 30˚C					
Power supply	2 x AA/MN1500/LR6 alkaline batteries				230v, 50 Hz	
Memory backup	Capacitor during battery change for I minute				Rechargable cell (see note 1)	
Switching action of output relay	N/A		SPDT Type 1B			
Switch rating of relay contact, voltage and current	N/A		3(1) A, 230 volts			
Transmitter frequency (RF models only)	433.92 MHz		N/A			
Transmitter range (RF models only)	30 meters max.		N/A			
Dimensions (mm)	138 wide x 88 high x 28 deep					
Pollution Situation	Degree 2					
Rated Impulse Voltage	N/A		2.5Kv			
Ball Pressure Test	75˚C					
Note 1): Unit must powered up for 6 days to charge cell before full back-up is available						

Spécifications Français

Importante: Veiller à ce qu'aucun gros objet métallique (caisson de chaudière ou autres gros appareils domestiques) ne fasse obstacle aux communications entre le thermostat et le récepteur.

Caractéristiques	TP7000-RF		TP7000		TP7000M	
Code article – Modèle sonde incorporée	087N741000	087N741400	087N740000	087N740400	087N740800	087N741900
Modèle sonde à distance (modèles A)	087N741100	087N741500	087N740100	087N740500	087N740900	087N742000
Mode de réglage – Marche/arrêt ou chrono-proportionnel, 3/6 cycles d'enclenchement par heure	●		●		●	
Mode de réglage – Marche/arrêt ou chrono-proportionnel, 6/12 cycles d'enclenchement par heure (modèles C)		●		●		●
Thermostat RF – sans fil	●					
Thermostat à câbler			●		●	
Horloge numérique	Affichage 24h ou 12h (avec indication AM/PM)					
Programme 7 jours ou 5+2 jours	Oui					
Nombre de changements par jour	Jusqu'à 6					
Plage de réglage	OFF, 5˚C à 30˚C (ou Fahrenheit)					
Différentiel de température (Mode ON/OFF)	< 1,0˚C					
Réglages d'usine	Oui					
Programme 'Vacances'	Oui, jusqu'à 99 jours					
Utilisation possible de la fonction 'Optimum Start'	Oui, Off ou s'active 30, 60, 90 ou 120 minutes avant le programme réglé (moins 4K)					
Mode thermostat et Protection Antigel	Oui, jusqu'à 1˚C mais réglable entre 5˚C et 30˚C					
Alimentation	2 piles alcalines AA/MN 1500/LR6				230 V, 50 Hz	
Mémoire non volatile	Suffisante pour remplacer les piles endéans la minute				Rechargeable (voir note 1)	
Type de contact	N/A		SPDT Type 1B			
Charge de contact, voltage et courant	N/A		3(1)A, 230V			
Fréquence d'émission (modèles RF)	433.92 MHz		N/A			
Rayon d'action (modèle RF uniquement)	Max. 30 mètres		N/A			
Dimensions (mm)	138 largeur x 88 hauteur x 28 profondeur					
Pollution	Degré 2					
Tension assignée de tenue au choc	N/A		2.5Kv			
Essai à la bille	75˚C					
Note 1) : Le thermostat doit être alimenté pendant 6 jours pour disposer de la mémoire non volatile.						

Specifikationer Dansk

Funktioner	TP7000	TP7000M
Best. nr. med indbygget føler	087N7400	087N7408
Best. nr. med ekstern føler (A-model)	087B7401	087B7409
Reguleringstype	ON/OFF eller tidsproportional, 3/6 perioder pr. time	
Forbindelse	Ledningstrukket	
Digital ur	24 timers visning (Kan indstilles til AM/PM visning)	
Program	Valgfrit 7- dages eller 5/2- dages drift	
Antal begivenheder pr. døgn	Op til 6	
Temperaturområde	Off, 5 til 30 ºC (Kan instilles til Fahrenheit visning)	
Total bryderhysterese (ON/OFF indst.)	< 1,0ºC	
Fabriksindlagt program	ja	
Programmerbar ferieindstilling	Op til 99 dage	
Optimal start regulering	OFF, 30, 60, 90 eller 120 minutter ved sætpunkt minus 4K	
Frostsikring	Ja, kan indstilles mellem 5 og 30ºC	
Strømforsyning	2 stk. AA/MN1500/LR6 alkaline batterier	230 V, 50Hz
Hukommelses back up	1 minut (Kondensator under batteriskift)	15 dage (Genopladeligt batteri, se note 1)
Brydefunktion på udgangsrelæ	SPDT type 1B	
Belastning på relækontakt	3(1)A, 230 V	
Mål	Bredde 138mm x højde 88mm x dybde 28mm	
Farve	RAL 9010	
Note 1: Der skal være strøm på apparatet i 6 dage, for at batteriet er opladet til fuld back up		

Especificaciones Español

Caracteristicas	TP7000-RF		TP7000		TP7000M	
Código, modelos cón sensor incorporado	087N741000	087N741400	087N740000	087N740400	087N740800	087N741900
Código, modelos cón sensor a distancia	087N741100	087N741500	087N740100	087N740500	087N740900	087N742000
Control On/Off o Crono-proporcional 3/6 ciclos por hora.	●		●		●	
Control On/Off o Crono-proporcional 6/12 ciclos por hora. (modelos C)		●		●		●
RF - Cronotermostatos sin cables	●					
Cronotermostatos con cables			●		●	
Reloj digital	24 h, (Puede ajustarse AM/PM)					
Programación ajustable 7 ó 5/2 dias	Si					
Número de ajustes diarios	Hasta 6					
Rango de control de temperatura	Off, 5 - 30ºC, (Puede ajustarse a ºF)					
Diferencial máx (Control On/Off)	<1.0˚C					
Programa preajustado de fábrica	Si					
Programa vacaciones	Si, hasta 99 días					
Control de arranque seleccionable durante la p. marcha	Si - Off, 30, 60, 90 ó 120 minutos antes de la hora del primer ajuste					
Modo termostato y antihíelo	Si, ajustable grado a grado, rango 5 - 30º C					
Alimentación	2 pilas alcalinas 1,5 V.				230V.50Hz	
Respaldo de batería	Para carga de bateria 1 min.				Célula recargable (ver nota 1)	
Contacto de salida	N/A		SPDT Type 1B			
Rango del contacto	N/A		3 (1) A, 230V			
Frecuencia del transmisor, (solo modelos RF)	433.92 MHz		N/A			
Rango del transmisor, (solo modelos RF)	30m, máximo		N/A			
Dimensiones en mm	138 ancho x 88 alto x 28 profundo					
Situación de polución	Grado 2					
Rango de los impulsos	N/A		2,5Kv			
Prueba de presión de bola	75˚C					
Nota: La unidad debe alimentarse durante 6 dias antes de que la bateria de respaldo esté disponible.						

Nota importante RF: Asegurar que la línea de visión entre el transmisor y el termostato no haya quedado obstaculizada por objetos grandes metálicos tales como calderas u otros aparatos grandes ya que estos impedirían la comunicación entre el termostato y el receptor.

Deutsch Technische Daten

Eigenschaften / Funktionen	TP7000-RF	TP7000	TP7000M
Bestell-Nummer - mit eingebautem Fühler	087N741000	087N740000	087N740800
- mit Fernfühler *(A Modelle)*	087N741100	087N740100	087N740900
Regelungstyp ON-Off –Regelung oder zeitproportionale Regelung mit 3/6 Regelungzyklen pro Stunde	●	●	●
Funkgesteuerte Ausführung	●		
Verkabelte Ausführung		●	●
Digitaluhr	24-Stunden-Uhr (umstellbar AM/PM)		
Programmmodus	Umstellbar zwischen 7-Tages oder 5/2-Tage-Programm		
Schaltpunkte	Bis zu 6 Schaltpunkte pro Tag wählbar		
Einstellbarer Temperaturbereich	5 – 30 ˚C		
Schaltdifferenz	< 1 ˚C		
Werkseinstellungen	Ja		
Urlaubsfunktion	0 – 99 Tage (mit einstellbarer Konstanttemperatur)		
Wählbare Optimalstartfunktion	Ja. Startzeitpunkt OFF, 30, 60, 90 oder 120 Minuten vor programmiertem Schaltpunkt, ausgehend von einer Temperaturabweichung von max. –4 ˚C		
Thermostatmodus und Frostschutz	Ja, einstellbar zwischen 5 und 30 ˚C		
Versorgungsspannung	2 x AA/Alkaline-Batterien/MN 1500/ LR6		230 V, 50 Hz
Programmsicherung	Kondensator gewährleistet Erhalt der Programmierung für 1 Minute während Batteriewechsel		Aufladbare Zelle*
Schaltkontakt	nicht zutreffend	Umschaltkontakt potentialfrei / SPDT Type 1B	
Schaltleistung	nicht zutreffend	3 (1) A, 230 V	
Übertragungsfrequenz	433,92 MHz	nicht zutreffend	
Übertragungsbereich (nur RF-Modelle)	max. 30 m	nicht zutreffend	
Emissionswerte	Grad 2		
Nennimpulsspannung	nicht zutreffend	2.5Kv	
Verformbarkeit unter Druck	75˚C		
Farbe	RAL 9010		
Abmessungen (mm)	138 x 88 x 28		
** Zelle muss bis zu 6 Tage aufgeladen werden, bevor die volle Programmsicherheit gewährleistet ist.*			

Wichtiger Hinweis RF: Achten Sie darauf, dass sich keine größeren Metallobjekte wie Boilergehäuse oder andere große Geräte zwischen Thermostat und Empfänger befinden, da ansonsten die Kommunikation zwischen dem Thermostaten und dem Empfänger gestört werden kann.

Nederlands Technische specificaties

Thermostaat eigenschappen	TP7000-RF		TP7000		TP7000M	
Bestelnr. - met ingebouwde voeler	087N741000	087N741400	087N740000	087N740400	087N740800	087N741900
- met afstandsvoeler (A modellen)	087N741100	087N741500	087N740100	087N740500	087N740900	087N742000
Regelaktie - Aan/Uit of Chrono-proportioneel met 3 of 6 schakelingen per uur	●		●		●	
Regelaktie - Aan/Uit of Chrono-proportioneel met 6 of 12 schakelingen per uur (C modellen)		●		●		●
RF - draadloze radiografische thermostaat	●					
Thermostaat met kabelaansluiting			●		●	
Digitale klok	24 uurs (ook instelbaar op 12 uurs met AM/PM funktie)					
Keuze uit 7-dagen of 5/2-dagen programma	Ja					
Aantal schakelingen per dag	Max. 6					
Instelbereik	Off (uit), 5 - 30ºC					
Schakeldifferentie	<1,0˚C					
Vooringesteld fabrieksprogramma	Ja					
Vakantieprogramma	Ja, tot max. 99 dagen					
Optimum Start Control (installateursinstelling)	Ja, - Uit, 30, 60, 90 of 120 minuten vervroegde inschakeling bij 4K onder ingestelde waarde					
Thermostaatfunktie en vorstbeveiliging	Ja, ingesteld op 8,0ºC, instelbaar tussen 5 en 30ºC					
Voeding	2 x AA/MN1500/LR6 alkaline batterijen				230V, 50Hz	
Programma backup	Condensator, 1 minuut tijdens batterijen wisselen				Oplaadbare celbatterij (zie opm. 1)	
Relaisuitgang	n.v.t.		SPDT Type 1B potentiaalvrij			
Contactbelasting	n.v.t.		3(1) A, 230 volt			
Zendfrequentie (RF modellen)	433,92 MHz		n.v.t.			
Zendbereik (RF modellen)	max. 30 meter		n.v.t.			
Afmetingen (mm)	138 x 88 x 28 (bxhxd)					
Milieu gradatie vlgns. EN 6730.9	2					
Max. piekspanning vlgns. EN 6730.9	n.v.t.		2,5Kv			
Kogeldruktest vlgns. EN 6730.9	75˚C					
Opm.1): Voedingsspanning moet minstens 6 dagen aanwezig zijn voor volledige backup van 48 uur						

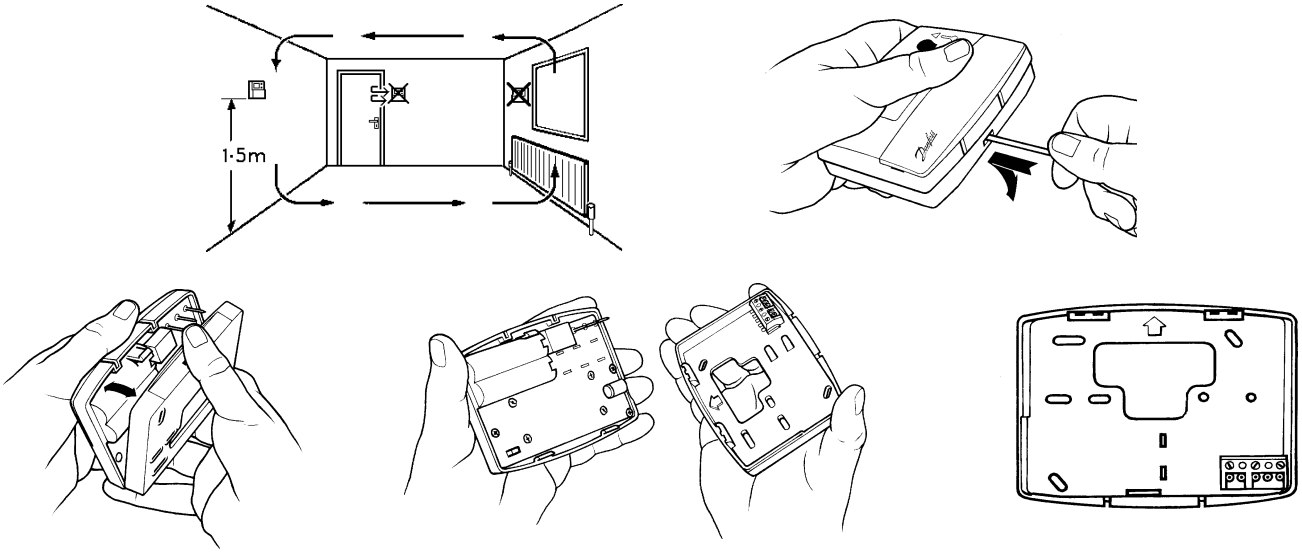
Belangrijk voor RF modellen: Let er op dat zich geen grote metalen voorwerpen, zoals ketels of andere grote apparaten, in de gezichtslijn tussen thermostaat en ontvanger bevinden, aangezien hierdoor de communicatie tussen thermostaat en ontvanger wordt verhinderd.

Po Polsku Specyfikacja

Thermostat Features	TP7000-RF		TP7000		TP7000M	
Order code - Built-in sensor model	087N741000	087N741400	087N740000	087N740400	087N740800	087N741900
- Remote sensor model, *(A models)*	087N741100	087N741500	087N740100	087N740500	087N740900	087N742000
Control type - On/Off or chrono- proportional, 3/6 cycles per hour	●		●		●	
Control type - On/Off or chrono- proportional, 6/12 cycles per hour, *(C models)*		●		●		●
RF - wireless thermostat	●					
Hardwired thermostat			●		●	
Digital clock type	24 hour, (can set to AM/PM mode by user)					
Selectable 7-day or 5/2-day operation	Yes					
Number of events per day	Up to 6					
Control temperature range	Off, 5 - 30˚C, (can be set to Fahrenheit by user)					
Total switching differential (On/off mode)	<1.0˚C					
Factory pre-set programme	Yes					
Programmable holiday mode	Yes, up to 99 days					
Installer selectable Optimum start control	Yes - Off, 30, 60, 90 or 120 minutes early switch on at set-point minus 4K					
Themostat mode and frost mode	Yes, set to 1.0˚C, but adjustable between 5 - 30˚C					
Power supply	2 x AA/MN1500/LR6 alkaline batteries				230v, 50 Hz	
Memory backup	Capacitor during battery change for I minute				Rechargable cell (see note 1)	
Switching action of output relay	N/A		SPDT Type 1B			
Switch rating of relay contact, voltage and current	N/A		3(1) A, 230 volts			
Transmitter frequency (RF models only)	433.92 MHz		N/A			
Transmitter range (RF models only)	30 meters max.		N/A			
Dimensions (mm)	138 wide x 88 high x 28 deep					
Pollution Situation	Degree 2					
Rated Impulse Voltage	N/A		2.5Kv			
Ball Pressure Test	75˚C					
Note 1): Unit must powered up for 6 days to charge cell before full back-up is available						

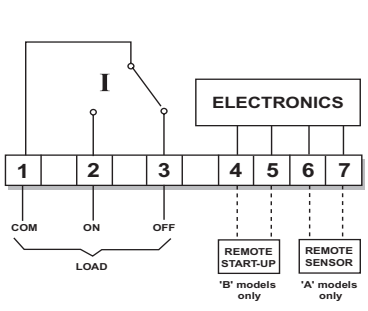
Ważna uwaga RF: Należy sprawdzić, aby w prostej linii między termostatem i nadajnikiem nie znajdowały się duże metalowe przedmioty, takie jak bojlery lub inne duże urządzenia, gdyż mogą one uniemożliwić łączność między termostatem i nadajnikiem.

(GB) Mounting / (F) Montage / (DK) Montering / (ES) Montaje / (D) Befestigung / (NL) Montage / (PL) Zamocowanie

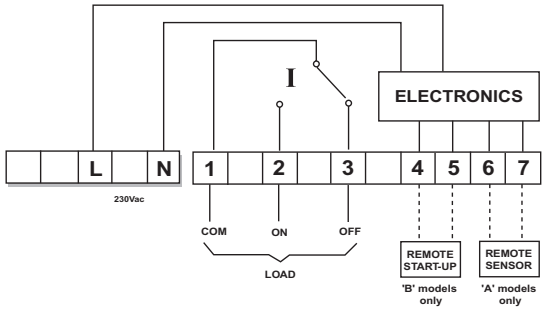


(GB) Wiring (hard-wired versions only) / (F) Câblage (versions câblées uniquement) / (DK) Ledningsføring (ledningstrukne versioner) / (ES) Cableado (solo versiones de conexión permanente / (D) Verkabelung (nur bei Kabelversion) / (NL) Bedrading (alleen uitvoeringen met kabelaansluiting) / (PL) Podłączanie przewodów (tylko dla wersji podłączanych na stałe)

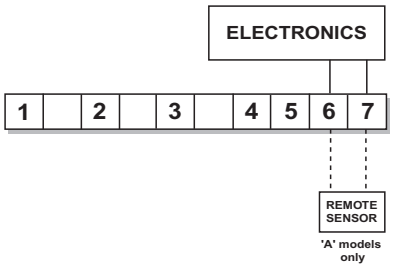
(GB) Connections / (F) Connexions / (DK) Opkoblinger / (ES) Conexiones / (D) Anschlüsse / (NL) Aansluitingen (PL)



TP7000



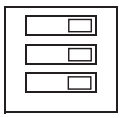
TP7000M



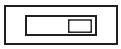
TP7000-RF

(GB) Installer Settings - DIL switches

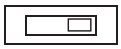
All models

Sw^1	5/2 day programming		7 day programming
Sw^2	Optimum start contoller enabled		Optimum start contoller disabled
Sw^3	Chrono-proportional control		On/Off control

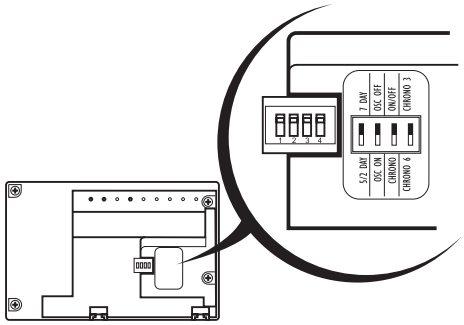
TP7000, A, B, AB, M, M, MA, RF & A-RF models with 3/6 cycles per hour option

Sw^4	Chrono-proportional, 6 cycles / hour		Chrono-proportional, 3 cycles / hour

TP7000C, CA, CM, CMA, C-RF & CA-RF models with 6/12 cycles per hour option

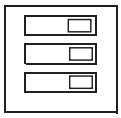
Sw^4	Chrono-proportional, 12 cycles / hour		Chrono-proportional, 6 cycles / hour

Note: Sw^4 is only active if Sw^3 is set to chrono-proportional mode

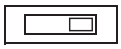


(F) Réglages d'installateur - Microcontacts

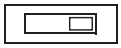
Tous les modèles

Sw^1	Programmation 5/2 jours		Programmation 7 jours
Sw^2	Optimum Start Control On		Optimum Start Control Off
Sw^3	Régulation Chrono-proportionnelle		Régulation On/Off

TP7000, A, B, AB, M, MA, RF & A-RF modèles avec 3 ou 6 cycles par heure

Sw^4	Chrono-proportionnelle, 6 cycles par heure		Chrono-proportionnelle, 3 cycles par heure

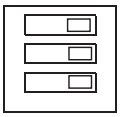
TP7000C, CA, CMA, C-RF & CA-RF modèles avec 6 ou 12 cycles par heure

Sw^4	Chrono-proportionnelle, 12 cycles par heure		Chrono-proportionnelle, 6 cycles par heure

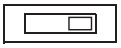
Remarque: Sw^4 fonctionne si Sw^3 est en position chrono-proportionnelle

(DK) Montørindstillinger DIL switche

Alle modeller

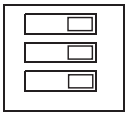
Sw^1	5/2 dages programmering		7 dages programmering
Sw^2	Optimal startregulering aktiveret		Optimal startregulering deaktiveret
Sw^3	Tidsproportional regulering		On/Off regulering

TP7000, A, B, AB, M, M, MA, RF & A-RF modeller med indstilling til 3/6 perioder pr. time

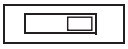
Sw^4	Tidsproportional, 6 perioder pr. time		Tidsproportional, 3 perioder

(ES) Ajustes del instalador - Interruptores DIL

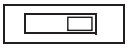
Todos los modelos

Sw^1	Programa 5/2 dias		Programa 7 dias
Sw^2	Control de optimización de arranque activado		Control de optimización de arranque desactivado
Sw^3	Control crono-proporcional		Control todo/ nada

TP7000, A, B, AB, M, MA, RF y A-RF. Modelos con opción de 3/6 ciclos por hora

Sw^4	Control crono-proporcional, 6 ciclos por hora		Control crono-proporcional, 3 ciclos por hora

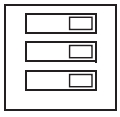
TP7000C, CA, CM, CMA, C-RF y CA-RF. Modelos con opción de 6/12 ciclos por hora.

Sw^4	Control crono-proporcional, 12 ciclos por hora		Control crono-proporcional, 6 ciclos por hora

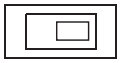
Nota: Sw^4 se activa únicamente si Sw3 se ajusta a control crono-proporcional

(D) Einstellungen über DIP-Schalter

Alle Modelle

Sw^1	5/2- Tages-Programm		7-Tage-Programmierung
Sw^2	Optimalstart-Funktion aktiviert		Optimalstart-Funktion deaktiviert
Sw^3	Zeitproportionale Regelung		Ein-Aus-Regelung

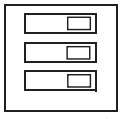
TP 7000, TP 7000 M und TP 7000 RF mit 3/6 Regelungszyklen pro Stunde

Sw^{4*}	Zeitproportionale Regelung mit 6 Regelungszyklen pro Stunde		Zeitproportionale Regelung mit 3 Regelungszyklen pro Stunde

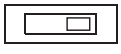
**SW 4 wird nur aktiviert, wenn die zeitproportionale Regelung aktiviert wurde*

(NL) Installateursinstellingen - DIP-schakelaars

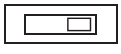
Alle modellen

S^1	5/2-dagen programma		7-dagen programma
S^2	Optimum Start Control aan		Optimum Start Control uit
S^3	Chrono-proportionele regeling		Aan/Uit regeling

TP7000, A, B, AB, M, MA, RF & A-RF modellen met 3 of 6 schakelingen per uur

S^4	Chrono, 6 schakelingen / uur		Chrono, 3 schakelingen / uur

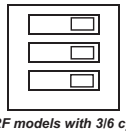
TP7000C, CA, CM, CMA, C-RF & CA-RF modellen met 6 of 12 schakelingen per uur

S^4	Chrono, 12 schakelingen / uur		Chrono, 6 schakelingen per uur

Opmerking: S4 is alleen aktief als S3 op Chrono-proportioneel staat

(PL)

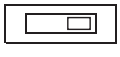
All models

Sw^1	5/2 day programming		7 day programming
Sw^2	Optimum start contoller enabled		Optimum start contoller disabled
Sw^3	Chrono-proportional control		On/Off control

TP7000, A, B, AB, M, M, MA, RF & A-RF models with 3/6 cycles per hour option

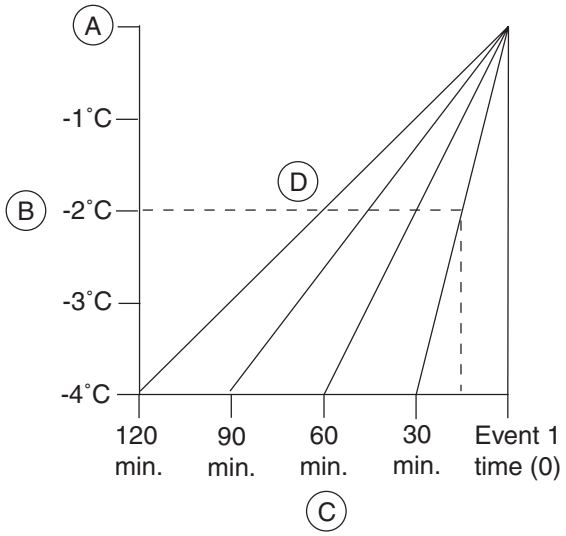
Sw^4	Chrono-proportional, 6 cycles / hour		Chrono-proportional, 3 cycles / hour

TP7000C, CA, CM, CMA, C-RF & CA-RF models with 6/12 cycles per hour option

Sw^4	Chrono-proportional, 12 cycles / hour		Chrono-proportional, 6 cycles / hour

Note: Sw^4 is only active if Sw^3 is set to chrono-proportional mode

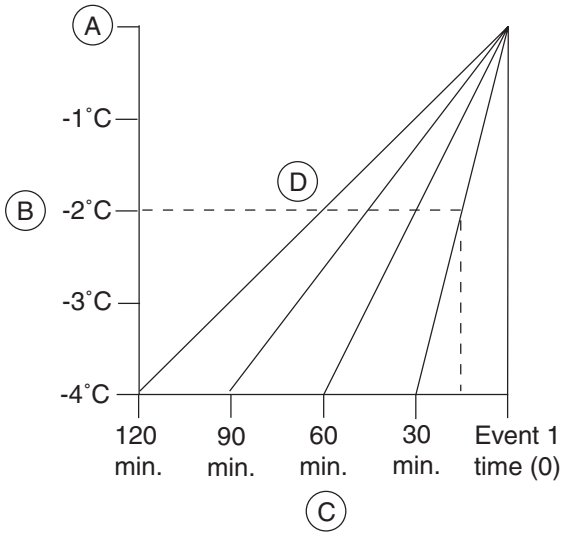
(GB) Function Description, Sw 2 Optimum Start Control



A - Event 1 Set Point
B - Deviation from Set Point
C - Switch On Time prior to Event
D - Optimiser Curve Setting

- Set Sw2 to OSC ON
- Select OPTIMISER CURVE in programming mode

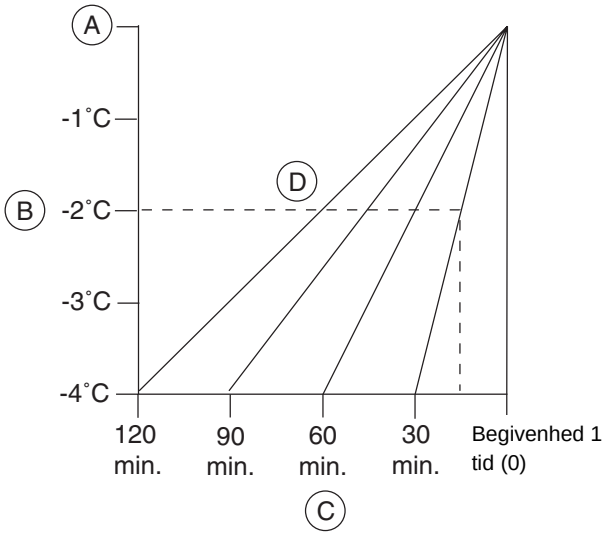
(F) Description Fonction, Sw² Optimum Start Control



A - Température choisie ordre n° 1
B - Déviation température choisie
C - Temps d'anticipation de démarrage pour ordre n° 1
D - Courbes optimales disponibles

- Mettez Sw² en position OSC On
- Réglez la courbe optimale en mode programmation

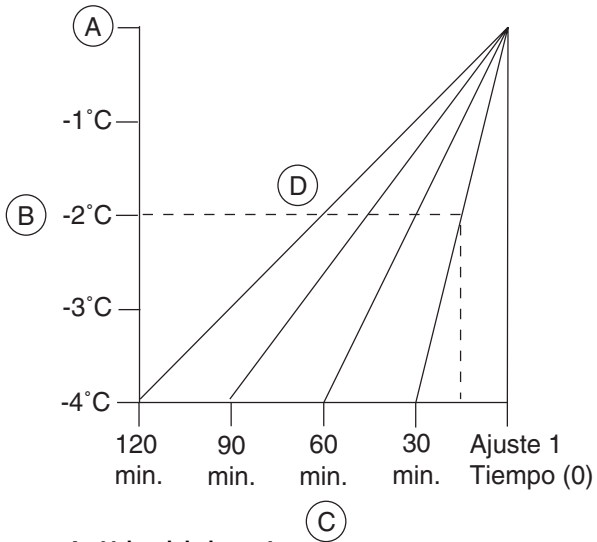
(DK) Funktionsbeskrivelse, Sw 2 Optimal startregulering



A – Begivenhed 1, sætpunkt
B – Afvigelse fra sætpunkt
C – Tilkoblingstid før begivenhed
D – Optimeringskurve til indstilling

- Stil Sw2 til OSC ON
- Vælg OPTIMISER CURVE i programmeringsindstilling

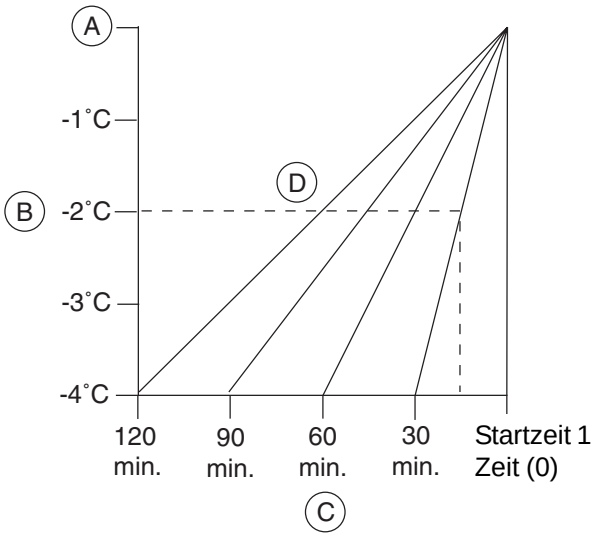
(ES) Descripción de la función Sw2, Optimización de arranque



A - Valor del ajuste 1
B - Desviación sobre el ajuste
C - Tiempo de arranque antes del ajuste
D - Ajuste de la curva de optimización

- Ajuste Sw2 a OSC ON
- Seleccione OPTIMISER CURVE en modo de programación

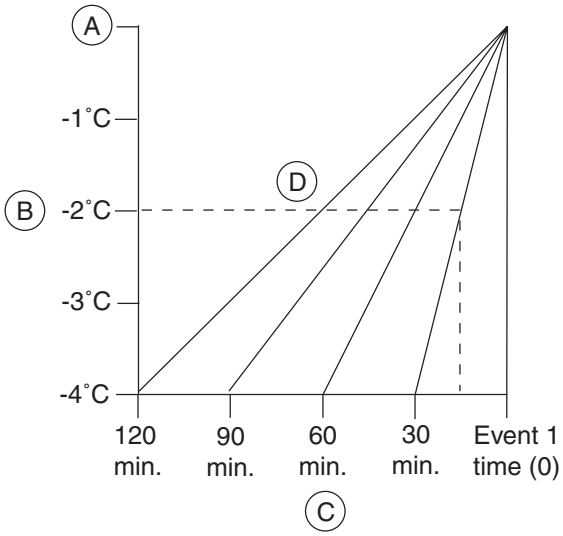
(D) Optimalstartsteuerung (OSC)



A - Gewünschte Temperatur beim ersten Schaltpunkt
B - Abweichung von eingestellter Temperatur
C - Vorgezogene Startzeit der Heizungsanlage vor dem ersten Schaltpunkt
D - Optimalstart-Kurve, um die gewünschte Temperatur rechtzeitig zu erreichen

- Stellen Sie SW2 auf OSC ON
- Wählen Sie eine passende Kurve (z.B. 30 Minuten) im Programm-Modus

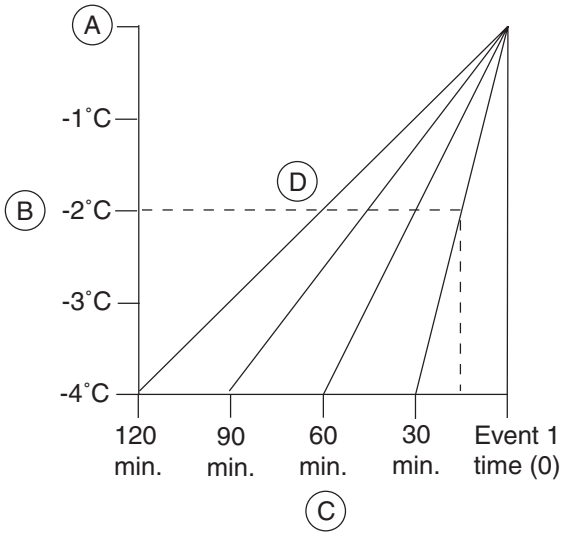
(NL) Funktie omschrijving, S2 - Optimum Start Control



A - Ingestelde temperatuur van schakeling 1
B - Afwijking van ingestelde temperatuur
C - Vervroegde inschakeltijd t.o.v. schakeling 1
D - Ingestelde optimaliserings curve

- Zet S2 op OSC ON (Optimum Start Control aan)
- Stel de gewenste optimaliserings-curve in tijdens het programmeren (zie gebruikershandleiding)

(PL)

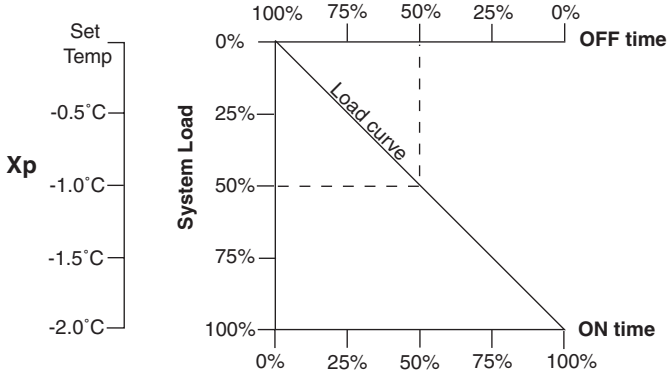


A - Event 1 Set Point
B - Deviation from Set Point
C - Switch On Time prior to Event
D - Optimiser Curve Setting

- Set Sw2 to OSC ON
- Select OPTIMISER CURVE in programming mode

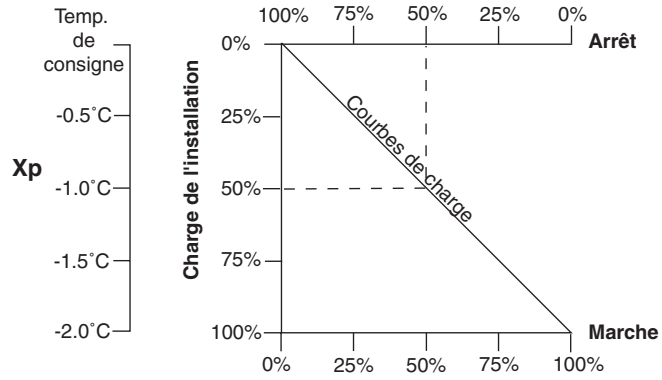
(GB) Function Description, Sw's 3 & 4 - Chrono-proportional Control

System load:		100%	75%	50%	25%	0%
Deviation from set temperature:		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Standard models with 3/6 cycles per hour option						
Chrono 3	Off time, (minutes)	0.00	5.00	10.00	15.00	20.00
3 cycles /hour	On time, (minutes)	20.00	15.00	10.00	5.00	0.00
Chrono 6	Off time, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles /hour	On time, (minutes)	10.00	7.50	5.00	2.50	0.00
C models, with 6/12 cycles per hour option						
Chrono 6	Off time, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles /hour	On time, (minutes)	10.00	7.50	5.00	2.50	0.00
Chrono 12	Off time, (minutes)	0.00	1.25	2.50	3.75	5.00
12 cycles /hour	On time, (minutes)	5.00	3.75	2.50	1.50	0.00



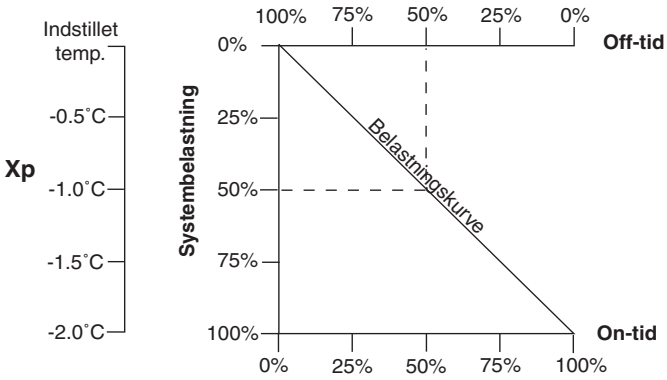
(F) Description Fonction, Sw 3 & 4 régulation Chrono-proportionnelle

Charge de l'installation:		100%	75%	50%	25%	0%
Bande proportionnelle:		-2.0˚C	-1.5˚C	1.0˚C	-0.5˚C	0˚C
Modèles standard avec 3 ou 6 cycles par heure						
Chrono 3	Arrêt, (minutes)	0.00	5.00	10.00	15.00	20.00
3 cycles/heure	Marche, (minutes)	20.00	15.00	10.00	5.00	0.00
Chrono 6	Arrêt, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles/heure	Marche, (minutes)	10.00	7.50	5.00	2.50	0.00
Modèles C avec 6 ou 12 cycles par heure						
Chrono 6	Arrêt, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles/heure	Marche, (minutes)	10.00	7.50	5.00	2.50	0.00
Chrono 12	Arrêt, (minutes)	0.00	1.25	2.50	3.75	5.00
12 cycles/heure	Marche, (minutes)	5.00	3.75	2.50	1.50	0.00



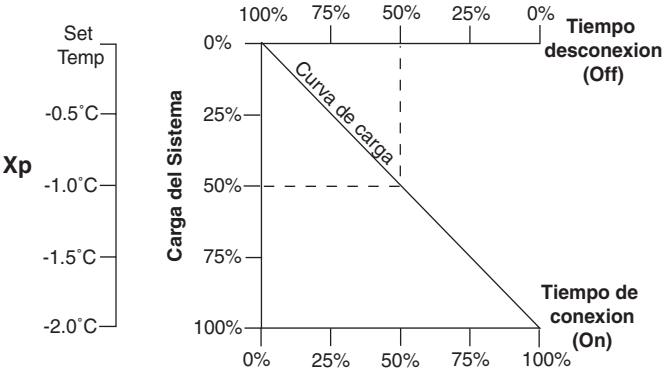
(DK) Funktionsbeskrivelse Sw's 3 & 4 - Chrono-proportional Kontrol

Systembelastning:		100%	75%	50%	25%	0%
Afvigelse fra indstillet temperatur:		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Standardmodeller med indstillinger til 3/6 perioder pr. Time						
Tidsproportional 3	Off-tid (minutter)	0.00	5.00	10.00	15.00	20.00
3 perioder pr. Time	On-tid (minutter)	20.00	15.00	10.00	5.00	0.00
Tidsproportional 6	Off-tid (minutter)	0.00	2.50	5.00	7.50	10.00
6 perioder pr. Time	On-tid (minutter)	10.00	7.50	5.00	2.50	0.00



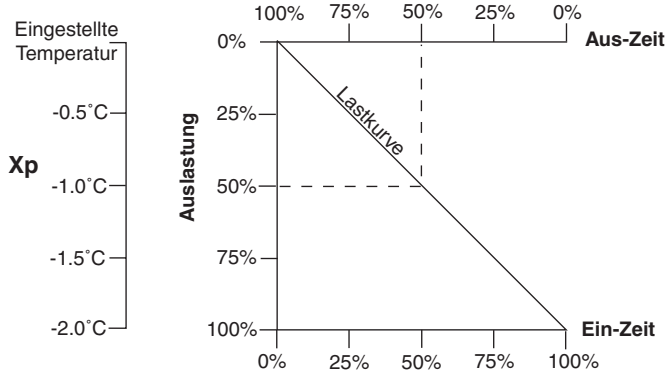
(ES) Descripción de las funciones Sw 3 y 4 - Control Cronoproporcional

Carga del Sistema:		100%	75%	50%	25%	0%
Desviación sobre el ajuste de temperatura:		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Modelos estandar con opción de 3/6 ciclos por hora						
Crono 3	Off tiempo, (min)	0.0	5.0	10.0	15.0	20.0
3 ciclos por hora	On tiempo, (min)	20.0	15.0	10.0	5.0	0.0
Crono 6	Off tiempo, (min)	0.0	2.5	5.0	7.5	10.0
6 ciclos por hora	On tiempo, (min)	10.0	7.5	5.0	2.5	0.0
Modelos C con opción de 6/12 ciclos por hora						
Crono 6	Off tiempo, (min)	0.0	2.5	5.0	7.5	10.0
6 ciclos por hora	On tiempo, (min)	10.0	7.5	5.0	2.5	0.0
Crono 12	Off tiempo, (min)	0.0	1.3	2.5	3.8	5.0
12 ciclos por hora	On tiempo, (min)	5.0	3.8	2.5	1.5	0.0



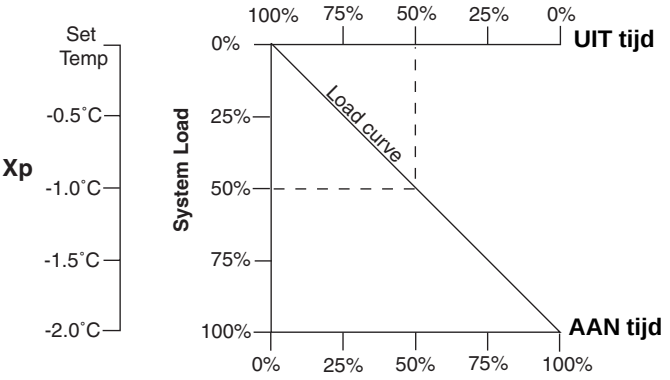
(D) Zeitproportionale Steuerung

Auslastung		100%	75%	50%	25%	0%
Abweichung von eingestellter Temperatur		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Standard-Modell mit 3/6 Zyklen pro Stunde						
Chrono 3	Aus-Zeit (Minuten)	0.0	5.0	10.0	15.0	20.0
3 Zyklen / Stunde	Ein-Zeit (Minuten)	20.0	15.0	10.0	5.0	0.0
Chrono 6	Aus-Zeit (Minuten)	0.0	2.5	5.0	7.5	10.0
6 Zyklen /Stunde	Ein-Zeit (Minuten)	10.0	7.5	5.0	2.5	0.0



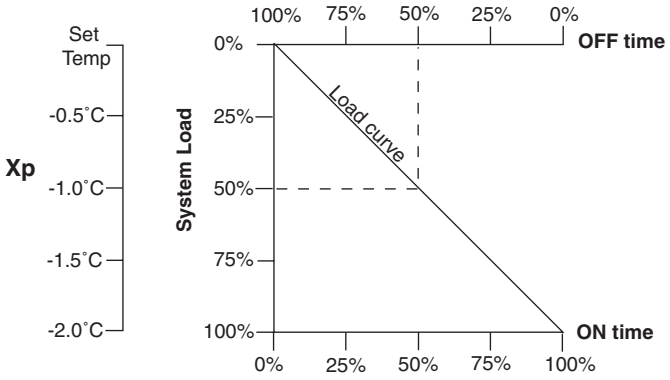
(NL) Funktie omschrijving, S3 en S4 - Chrono-proportionele regeling

Systeem belasting:		100%	75%	50%	25%	0%
Afwijking van ingestelde temperatuur:		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Standaard modellen met 3 of 6 schakelingen per uur						
Chrono 3	Uit tijd, (minuten)	0.00	5.00	10.00	15.00	20.00
3 schakelingen / uur	Aan tijd, (minuten)	20.00	15.00	10.00	5.00	0.00
Chrono 6	Uit tijd, (minuten)	0.00	2.50	5.00	7.50	10.00
6 schakelingen / uur	Aan tijd, (minuten)	10.00	7.50	5.00	2.50	0.00
C modellen met 6 of 12 schakelingen per uur						
Chrono 6	Uit tijd, (minuten)	0.00	2.50	5.00	7.50	10.00
6 schakelingen / uur	Aan tijd, (minuten)	10.00	7.50	5.00	2.50	0.00
Chrono 12	Uit tijd, (minuten)	0.00	1.25	2.50	3.75	5.00
12 schakelingen / uur	Aan tijd, (minuten)	5.00	3.75	2.50	1.50	0.00

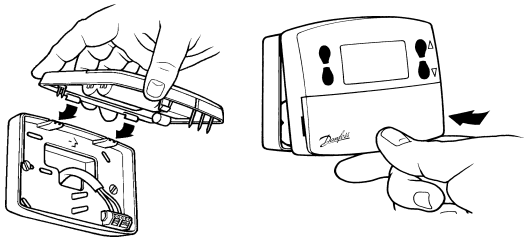


(PL)

System load:		100%	75%	50%	25%	0%
Deviation from set temperature:		-2.0°C	-1.5°C	1.0°C	-0.5°C	0°C
Standard models with 3/6 cycles per hour option						
Chrono 3	Off time, (minutes)	0.00	5.00	10.00	15.00	20.00
3 cycles /hour	On time, (minutes)	20.00	15.00	10.00	5.00	0.00
Chrono 6	Off time, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles /hour	On time, (minutes)	10.00	7.50	5.00	2.50	0.00
C models, with 6/12 cycles per hour option						
Chrono 6	Off time, (minutes)	0.00	2.50	5.00	7.50	10.00
6 cycles /hour	On time, (minutes)	10.00	7.50	5.00	2.50	0.00
Chrono 12	Off time, (minutes)	0.00	1.25	2.50	3.75	5.00
12 cycles /hour	On time, (minutes)	5.00	3.75	2.50	1.50	0.00



(GB) Assembling the Thermostat / (F) Assemblage du thermostat / (DK) Samling af termostaten / (E) Montaje de componentes del cronotermostato / (D) Montage des Thermostats / (NL) Aanbrengen van de thermostaat / (PL) Montaż termostatu



(GB) Powering up the Thermostat (battery version) / (F) Mise sous tension du thermostat / (DK) Opstart af termostaten / (E) Montaje de las pilas / (D) Inbetriebnahme des Thermostats / (NL) Inbedrijfstelling (batterijmodellen). Verwijder de isolatiestrip uit het batterijcompartiment / (PL) Podłączenie termostatu do zasilania