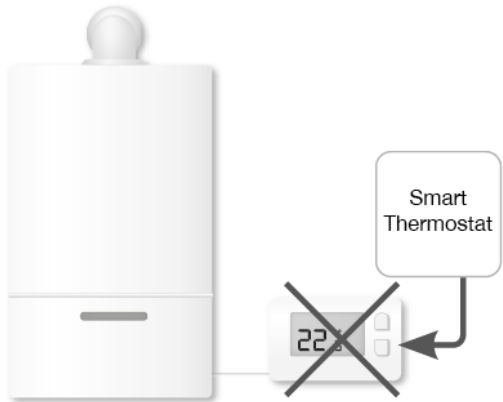# :hager

Smart Thermostat Configuration Guide V1.0

Country Version: **France**

ENGLISH

Usage Instructions

Before wiring the Smart Thermostat, please check how it controls the heating system and look up the correct configuration of the system for the respective interface in the list below.
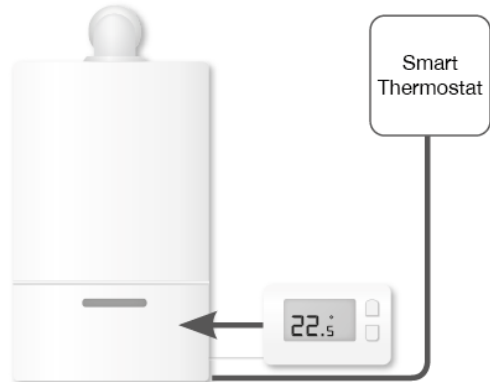
Controller is replaced

The Smart Thermostat takes over control

Controller remains connected

The Smart Thermostat acts as a remote control

Controller is fitted to boiler

The Smart Thermostat acts as a remote control

Relay interfaces

Interface	How does the Smart Thermostat control the heating system?	Interface ID	Heating Circuit	Hot Water
Standard single and dual relays	One relay is connected to call for heat and one to call for hot water (if available)	R01	HC--	Possible if second relay controls hot water (Extension Kit required)
Dual relays, gravity-fed (hot water relay is always closed when heating is requested)	Hot water relay is always closed when heating is requested	R02	HC--	HW✓
Dual relay for systems where the second relay controls the pump	For separate heating and pump control	R03	HC--	HWx
Dual relay for two stage heating systems	For dual stage heating systems	R04	HC--	HWx

Digital interfaces

Interface	How does the Smart Thermostat control the heating system?	Smart Thermostat Configuration			Controller	Heating System Settings		What happens with the controller?
BS Bus	Smart Thermostat acts as a BS Bus single zone remote controller	Interface ID	**D62**		All BS Bus boiler built-in controllers	No configuration required		Controller remains connected
		Heating circuit	**HC** 1-3	select heating circuit to be controlled				
		Hot water control	**HW✔**					
Buderus BF Bus	Smart Thermostat acts as a BF Bus single zone remote control without display	Interface ID	**D23**		FMEC-HS (MEC) FMEC-HW (MEC) Ecomatic HS 4201 Ecomatic HW 4201	Remote	*without Display*	Controller remains connected
		Heating circuit	**HC** 1-2	select heating circuit to be controlled		Setback type	*off*	
		Hot water control	**HW×**			Max. room influence	*6°C*	
					Logamatic 2107 Ecomatic HS 2105	Remote	*On*	
						Room Comp	*10°*	
					MEC2	Remote	*without Display*	
						Max. room infl	*6K*	
Buderus EMS Bus	Smart Thermostat acts as remote Buderus RC 20 / RC25 / Sieger ES 72	Interface ID	**D26**		Buderus RC 30	Heating Circuit X	*Room Driven*	Controller remains connected
		Heating circuit	**HC** 1-4	select heating circuit to be controlled		Controller (Remote)	*RC20*	
		Hot water control	**HW✔**			Setback	*Room Driven*	
					Buderus RC 35	Which operating unit is assigned to heating circuit X ?	*RC2x/RC20RF*	
						How should heating circuit X be controlled ?	*Room temp. controlled*	
						Which type of reduction should be implemented ?	*Room setback mode*	
					Sieger eS 73	Heating Circuit X	*Room Driven*	
						Controller (Remote)	*ES 72*	
						Setback	*Room Driven*	
					Sieger eS 79	Which operating unit is assigned to heating circuit X ?	*RC2x/RC20RF*	
						How should heating circuit X be controlled ?	*Room temp. controlled*	
						Which type of reduction should be implemented ?	*Room setback mode*	
	For heatings systems without a Buderus RC / Sieger eS controller	Interface ID	**D26**		Without an RC / eS controller	No configuration required		
		Heating circuit	**HC00**	select heating circuit "0"				
		Hot water control	**HW×**					

Interface	How does the Smart Thermostat control the heating system?	Smart Thermostat Configuration			Controller	Heating System Settings		What happens with the controller?
Buderus EMS+ Bus	Smart Thermostat acts as remote RC 100	Interface ID	**D27**		RC 300	Control type	*Room-temp.-compensated*	Controller remains connected
		Heating circuit	**HC** 1-4	select heating circuit to be controlled		Programming unit	*RC100*	
		Hot water control	**HW×**			Setback type	*Room temperature threshold*	
Junkers / e.l.m. leblanc (Bosch) Heatronic Bus	Smart Thermostat acts as remote (FB10 / FB100) for FW controllers	Interface ID	**D18**		FW 100 FW 120	Remote Control	*FB10*	Controller remains connected
		Heating circuit	**HC** 1-2	select heating circuit to be controlled		Room influence	*50%*	
		Hot water control	**HW×**			Room influence enabled for levels	*Comfort-Eco-Frost*	
						Sensor used for room influence	*Sensor on FB10*	
						Mode	*Auto*	
					FW 200 FW 500	Remote Control	*FB10*	
						Room influence	*50%*	
						Heating Parameters	*Heating circuit X*	
						Room influence enabled for levels	*Comfort-Eco-Frost*	
						Sensor used for room influence	*Sensor on FB10*	
						Mode	*Auto*	
	Standard Heatronic Bus, Smart Thermostat acts as room thermostat	Interface ID	**D17**		*Used for all heating setups without an FW controller*	No configuration required		
		Heating circuit	**HC--**	no heating circuit selected				
		Hot water control	**HW×**					
OpenTherm	Smart Thermostat fully controls the system and acts as controller or room thermostat	Interface ID	**D01**			No configuration required		
		Heating circuit	**HC--**	no heating circuit selected				
		Hot water control	**HW✓**					

Interface	How does the Smart Thermostat control the heating system?	Smart Thermostat Configuration			Controller	Heating System Settings	What happens with the controller?
Vaillant Bidirectional	Smart Thermostat acts as VRC 410 / 420 or VRT 390					No configuration required	
	For HC1 = radiators	Interface ID	**D09**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
	For HC2 = floor heating	Interface ID	**D10**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
	For HC1 = floor heating and HC2 = floor heating	Interface ID	**D11**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
	For HC1 = floor heating and HC2 = radiators	Interface ID	**D12**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
	For HC1 = radiators and HC2 = floor heating	Interface ID	**D13**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
	For HC1 = radiators and HC2 = radiators	Interface ID	**D14**				
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				
Vaillant Ebus	Smart Thermostat acts as remote VR81	Interface ID	**D05**		calorMATIC 430 calorMATIC 470 VRC 430 VRC 470	No configuration required	Controller remains connected
		Heating circuit	**HC** 1-8	select heating circuit to be controlled			
		Hot water control	**HW✕**				
	Smart Thermostat acts as remote VR80 / VR90	Interface ID	**D06**		calorMATIC 620 calorMATIC 630	No configuration required	Controller remains connected
		Heating circuit	**HC** 1-8	select heating circuit to be controlled			
		Hot water control	**HW✓**				
	Standard Ebus, Smart Thermostat acts as roomt thermostat	Interface ID	**D07**		*to be used when no calorMATIC 430/470 or 620/630 is present.*	No configuration required	
		Heating circuit	**HC--**	no heating circuit selected			
		Hot water control	**HW✓**				

Interface	How does the Smart Thermostat control the heating system?	Smart Thermostat Configuration		Controller	Heating System Settings				What happens with the controller?
Viessmann KM Bus	Smart Thermostat acts as remote Vitotrol 300	Interface ID	**D37**	Vitotronic 200 GW.. Vitotronic 300 GW.. Vitotronic 200 HO.. Vitotronic 200 KW.. Vitotronic 300 KW.. Vitotronic 200 KO..	Remote Control	A0:	*1*		Controller remains connected
		Heating circuit	**HC** 1-2 select heating circuit to be controlled		Room Temperature Hook-up	b0:	*3*		
		Hot water control	**HW×**		Room Influence Factor	b2:	*20*		
					Heating Circuit Pump Logic	b5:	5 (If 5 can not be selected, use 1)		
Wolf Ebus	Smart Thermostat acts as room thermostat or single zone controller	Interface ID	**D45**		No configuration required				
		Heating circuit	**HC--** no heating circuit selected						
		Hot water control	**HW✔**						

Analog interfaces

Interface		Interface ID	Heating Circuit	Hot Water
Junkers / e.l.m. leblanc (Bosch) analog 24V	on terminals 1, 2 and 4	A01	HC--	HWx
Stiebel Eltron analog 5V	on terminals 1, 2 and 3	A05	HC--	HWx
Stiebel Eltron analog 24V	on terminals 1, 2 and 4	A06	HC--	HWx
Vaillant analog 24V	on terminals 7, 8 and 9	A07	HC--	HWx
Wolf analog 24V	on terminals 1, 2 and 3	A08	HC--	HWx