

Daikin One+ and Touch Thermostat Commissioning Menu Outline for Unitary Equipment, v4.1 software, non-zoning

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Default	Display only?	Daikin Thermostat Conditions
welcome	english	(radio buttons)				english		
	español							
	française							
equipment type	use large font	(checkbox)				unchecked		
	continue							
	unitary (radio button)							
setup	single/multi-split (S21) (radio button)							
	cancel							
	continue							
setup	VRV, SkyAir, single/multi-split (P1P2) (radio button)							
	continue							
	begin setup	(to smart thermostat setup with 5 main steps below)						
setup	setup options	factory reset						
	learn more	firmware (version #)					Yes	
	thermostat ID (DKN number)	check for update						
1. communication	thermostat ID (DKN number)	(2D barcode of DKN number for cloud commissioning)					Yes	
	dismiss						Yes	
	equipment type	unitary				unitary		
1. communication	single/multi-split (S21)							
	VRV, SkyAir, single/multi-split (P1/P2)							
	use wifi							
1. communication	wifi	networks	(list of available networks)					Only appears when "use wifi" selected
	search again							
	local API enabled	internet connected (tickmark)					Yes	Only appears when connected to active wifi network.
1. communication	Daikin One Cloud connected (tickmark)						Yes	Only appears if successfully connect to internet.
	legal notices	terms of use	(text)				Yes	
	privacy policy		(text)				Yes	
1. communication	end user license agreement		(text)				Yes	
	restart thermostat						Yes	If internet connected but not cloud
2. personalization	language	english				english		
	español							
	française							
2. personalization	use large font	(checkbox)				unchecked		
	date & time	(month, day, and year selection)						set automatically when connect to WiFi.
	date & time	(hour, minute, and am/pm selection)						set automatically when connect to WiFi.
2. personalization	date & time	use 24-hour time format				disabled		
	date & time	time zone	(list of time zones)			Pacific		set automatically when connect to mobile app.
	name	main room				main room		
2. personalization	name	upstairs						
	name	downstairs						
	name	hallway						
2. personalization	name	bedroom						
	name	kitchen						
	name	other (other name)	(text entry for other)					
2. personalization	degree units	fahrenheit				fahrenheit		
	degree units	celsius						
air conditioner (model # from CT)	specifications	model #					Yes	If scan successful
	specifications	serial #					Yes	
	specifications	control software version					Yes	
air conditioner (model # from CT)	specifications	inverter software version					Yes	Inverter only
	specifications	number of cool stages					Yes	
	specifications	number of heat stages					Yes	Will display for AC, as "0" stages.
air conditioner (model # from CT)	specifications	tonnage					Yes	
	cool airflow trim	low speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Inverter AC only, but not with DTA furnace adaptors
	cool airflow trim	intermediate speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit AC from Mar. 2020, but not with DTA furnace adaptors
air conditioner (model # from CT)	cool settings	cool profile			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Inverter AC only, but not with DTA furnace adaptors
	cool settings	cool airflow on delay			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Fit AC from Mar. 2020, but not with DTA furnace adaptors
	cool settings	cool airflow off delay			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Fit AC from Mar. 2020, but not with DTA furnace adaptors
air conditioner (model # from CT)	cool settings	max compressor RPS			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15		Yes	2-stage models only
	cool settings	RPS offset			-10% to 10% in 2% steps			Not available with DTA furnace adaptors
	cool settings	dehumidification			Profile A Profile B Profile C Profile D			0s option added to Fit in 2025.
air conditioner (model # from CT)	cool settings	circulation selection			0, 5, 10, 20, 30s			0s option added to Fit in 2025.
	cool settings	circulation selection			0, 30, 60, 90, 120s			Inverter only
	cool settings	circulation selection			Off, On			Inverter only; can't be changed for All-climate HP and 5-ton enhanced FIT
air conditioner (model # from CT)	cool settings	dehumidification			Off, Standard, A (widest range), B (reduced range), C (100% operation only)			Fit AC from Mar. 2020
	cool settings	dehumidification			Off, On			Fit AC from May 2021
air conditioner (model # from CT)	specifications	model #					Yes	
	specifications	serial #					Yes	
	specifications	control software version					Yes	
air conditioner (model # from CT)	specifications	inverter software version					Yes	Inverter only
	specifications	number of cool stages					Yes	
	specifications	number of heat stages					Yes	
air conditioner (model # from CT)	specifications	tonnage					Yes	
	cool airflow trim	Low speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Inverter HP only, but not with DTA furnace adaptors
	cool airflow trim	Intermediate speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit HP from Mar. 2020, but not with DTA furnace adaptors
air conditioner (model # from CT)	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Inverter HP only, but not with DTA furnace adaptors
	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020, but not with DTA furnace adaptors
	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020, but not with DTA furnace adaptors
air conditioner (model # from CT)	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			2-stage models only
	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			
	cool airflow trim	High speed trim			-15% to 15% in 3% steps -15%, -10, -5, 0, 5, 10, 15			

3. equipment setup

heat pump (model #)	cool settings	cool profile	Profile A Profile B Profile C Profile D				
		cool airflow on delay	0, 5, 10, 20, 30s				0s option added to Fit in 2025.
		cool airflow off delay	0, 30, 60, 90, 120s				0s option added to Fit in 2025.
		max compressor RPS				Yes	Inverter only
		max RPS offset	0 to 20 in 0.5 RPS steps				Inverter only; can't be changed for All-climate HP and 5-ton enhanced FIT
		dehumidification	Off, On				
			Off, Standard, A (widest range), B (reduced range), C (100% operation only)				Fit HP from Mar. 2020
	heat settings	circulation selection	Off, On				Fit HP from May 2021
		heat airflow trim	Low speed trim	^-15% to 15% in 3% steps			Inverter HP only, but not with DTA furnace adaptors
				-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020, but not with DTA furnace adaptors
			Intermediate speed trim	^-15% to 15% in 3% steps			Inverter HP only, but not with DTA furnace adaptors
				-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020, but not with DTA furnace adaptors
			High speed trim	^-15% to 15% in 3% steps			Inverter HP only, but not with DTA furnace adaptors
				-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020, but not with DTA furnace adaptors
			-10% to 10% in 2% steps				2-stage models only
		heat airflow on delay	0, 5, 10, 15s				0s option added to Fit in 2025.
		heat airflow off delay	0, 30, 50, 70, 90s				0s option added to Fit in 2025.
		backup defrost heat	always on; always off; below temperature: 30°F, 35°F, 40°F, 45°F, 50°F, 55°F, 60°F, 65°F;				Fit Heat Pump only
		defrost interval	30, 60, 90, 120 min;				R410A HP only
			2 hr, 6 hr, 12 hr, 24hr;				R32 HP only, from mid-2025
		defrost compressor delay	0, 5, 15, 30s				2-stage R410A HP only
		max compressor RPS				Yes	Inverter only
		max RPS offset	0 to 20 in 0.5 RPS steps				Inverter only; can't be changed for All-climate HP and 5-ton enhanced FIT.
	heat pump settings	heat pump lockout temp	-40°F to 65°F in 5°F steps (-40°C to 17.5°C in 2.5°C steps)		-5°F (-20°C)		Only displayed for systems with HP and heater kit. Is common lockout with aux heat source.
		supplemental heat lockout	-10°F to 75°F in 5°F steps (-22.5°C to 22.5°C in 2.5°C steps)		50°F (10°C)		Only displayed for systems with HP and heater kit. Doesn't apply to an aux heat source.
		balance point	-10°F to 75°F in 5°F steps (-22.5°C to 22.5°C in 2.5°C steps) prioritize efficiency (or) prioritize comfort	(radio buttons)	50°F (10°C)		Only displayed for dual-fuel systems (HP and gas furnace). Only displayed for dual-fuel systems (HP and gas furnace).
gas furnace (model #)	specifications	model #				Yes	
		serial #				Yes	
		control software version				Yes	
		number of heat stages				Yes	
		size/capacity				Yes	Not DTA furnace adaptors
		blower motor size				Yes	Not DTA furnace adaptors
	heat settings	gas heat airflow trim	-16% to 16% in 2% steps				R32 compatible furnaces
				-15% to 15% in 3% steps			Modulating R410A furnaces only
			-10% to 10% in 2% steps				2-stage R410A furnaces only, not DTA furnace adaptors
		gas heat airflow on delay	5 to 30s in 5s steps				Modulating and 2-stage R410A furnaces, not DTA furnace adaptors
		gas heat airflow off delay	30 to 180s in 30s steps				Modulating and 2-stage R410A furnaces, not DTA furnace adaptors
	heat CFM taps	Tap A Tap B Tap C Tap D					Mod and 2-stage R410A furnaces. At launch of R32 furnaces, must be modified on PCB or using CoolCloud app. (not supported on DTA furnace adaptors or mod or R410A ULN furnaces)
	humidifier relay	mode	Off On with heat and hum On with hum		Off		Daikin 2-stage and mod R410A furnaces and all R32 furnaces (not DTA furnace adaptors, or R410A ULN) "On with hum" option not supported in R32 furnaces.
		humidification fan speed	25, 50, 75, 100%				2-stage R410A furnaces only, and only when "on with hum" (aka "independent") selected.
	aux alarm	on / off					2-stage and ULN R410A furnaces, and all R32 furnaces
air handler or blower (model #)	specifications	model #				Yes	
		serial #				Yes	
		control software version				Yes	
		blower motor size				Yes	
	heater kit	heater kit installed (checkbox)			unchecked		non-EEV air handlers that support heater kits (used to confirm installed heater kit).
			(size in kW from indoor PCB)			Yes	non-EEV air handlers
			0, 3, 5, 6, 8, 10kW				DV25PEC, DV24FEC, DFVE24, and DMVE24 models that support heater kits
			0, 5, 6, 8, 10, 15, 19kW				DV35PEC, DV36PEC, DV37PEC, DV42PEC, DFVE35, DFVE36, DFVE42, and DMVE36 models that support heater kits
			0, 5, 6, 8, 10, 15, 20kW				DV47PEC, DV48PEC, DV59PEC, DFVE47, DFVE48, and DMVE48 models that support heater kits
			0, 5, 6, 8, 10, 15, 20, 25kW				DV61PEC, DV59FEC, DV60FEC, DFVE59, DFVE60, and DMVE60 models that support heater kits
			0, 3, 5, 15kW				MBVK16CH1X
			0, 5, 15, 20, 25kW				MBVK20CH1X
			0, 3kW				AWVE30, AWVE36
			0% to 10% in 2% steps				EEV air handlers only, including MBVKooCH models
			-10% to 10% in 2% steps				non-EEV air handlers (ClimateTalk models with TXV) including MBVKooP (TXV) models
	hum/aux relay	heat airflow on delay				Yes	
		heat airflow off delay				Yes	
		humidifier enable with blower none					EEV air handlers only
		humidification mode	off on independent				EEV air handlers only, if humidifier selected in top menu
	aux alarm	humidification fan speed	25, 50, 75, 100%				EEV air handlers only, if "humidifier" and "independent" selected above.
		on / off					non-EEV air handlers and blowers.

coil	configuration	serial # software version				Yes Yes	
media filter	1, 2 remove equipment	Do you want to remove this equipment?	Cancel Continue		1		
add equipment	air quality sensor						
	24V AC condenser						Mod or 2-stage R410A furnace only. At launch of R32 furnaces, settings must be modified on PCB or using CoolCloud app. (not supported on R410A ULN furnaces). Only appears if no communicating AC or HP detected.
	humidifier						Can only add 1 of each type.
	dehumidifier						Can only add 1 of each type.
	aux heat source						Can only add 1 of each type.
	UV bulbs						Can only add 1 of each type.
	HEPA filter						Can only add 1 of each type.
	electronic filter		low speed trim (goes to "edit sensor" screen)				Can only add 1 of each type.
	remote sensor	pair sensor cancel					One+ thermostats only, can add up to 8.
	EWC zone board						If no Daikin zone board
air quality sensor	remove equipment	Do you want to remove this equipment?	cancel confirm				
24V AC condenser	cool settings	cool CFM	18, 24, 30, 36, 42, 48, 60 kBTUs cooling				For R32 furnaces, must use CoolCloud app.
		cool airflow trim	-15% to 15% in 3% steps				R410A modulating furnace only. For R32 furnaces, must use CoolCloud app.
			-10% to 10% in 2% steps				R410A 2-stage furnace only. For R32 furnaces, must use CoolCloud app.
		cool profiles	Profile A Profile B Profile C Profile D				For R32 furnaces, must use CoolCloud app.
		cool airflow on delay	5, 10, 20, 30s				R410A modulating furnace only. For R32 furnaces, must use CoolCloud app.
			1, 5, 10, 20, 30s				R410A 2-stage furnace only. For R32 furnaces, must use CoolCloud app.
		cool airflow off delay	30, 60, 90, 120s				R410A modulating furnace only. For R32 furnaces, must use CoolCloud app.
			0, 30, 60, 90, 120s				R410A 2-stage furnace only. For R32 furnaces, must use CoolCloud app.
	remove equipment	Do you want to remove this equipment?	cancel confirm				For R32 furnaces, can only add or remove from thermostat.
humidifier	connection	aux 1 aux 2					
	control	on with heat on with heat and hum on with hum			On with heat and hum call		
	fan speed	25% 50% 75% 100%					If humidifier added.
	number of pads	1, 2					
	remove equipment	Do you want to remove this equipment?	cancel confirm				
dehumidifier	connection	aux 1 aux 2					
	control	on with cool on with cool and dehum on with dehum on with no cool and dehum			on with dehum		
	fan speed	0% 25% 50% 75% 100%			100%		If dehumidifier added.
	remove equipment	Do you want to remove this equipment?	cancel confirm				
aux heat source	connection	aux 1 aux 2	(if no Daikin zone panel)				
	heat pump is primary heat source	control	Heat pump lockout	-40°F to 65°F in 5°F steps (-40°C to 17.5°C in 2.5°C steps)	-5°F (-20°C)		The whole "Heat Pump is primary heat source" only appears if connected to HP. The HP lockout must be at least 10°F < aux heat lockout.
			Aux heat lockout	Enable aux heat lockout (checkbox) -10°F to 75°F in 5°F steps (-22.5°C to 22.5°C in 2.5°C steps)	disabled 50°F (10°C)		Appears if connected to HP.
			Use Ton/Toff	(checkbox)	disabled		If connected to HP
			T on / T off	Turn on temperature differential: -7°F to -3°F in 1°F steps (-4.0°C to -1.5 in 0.5°C steps) Turn off temperature differential: -4°F to 1°F in 1°F steps (-2°C to 0.5°C in 0.5°C steps)	-3°F (-1.5°C) 1°F (0.5°C)		Enabled automatically if connected to AC outdoor.
			Indoor unit fan enabled	(checkbox)	On		Enabled automatically if connected to AC outdoor. Must be 3 or 4°F (2°C) above Ton.
			Fan speed	low medium high	high		Only if indoor unit fan enabled.
			Fan on delay	0s, 30s, 60s, 120s, 180s, 240s, 300s	30s		Only if indoor unit fan enabled.
			Fan off delay	0s, 10s, 30s, 60s, 90s, 120s, 180s	10s		Only if indoor unit fan enabled.
			Heat pump lockout	-40°F to 65°F in 5°F steps (-40°C to 17.5°C in 2.5°C steps)	15°F (-10°C)		
			Setpoint differential	-9°F, -7°F, -5°F, -4°F, or -2°F (-5°C to -1°C in 1°C steps)	-2°F (-1°C)		Hidden for AC outdoor unit
	aux is primary heat source	control	T on / T off	Turn on temperature differential: -2 or -1°F (-1.0 or -0.5°C) Turn on temperature differential: 1°F (0.5°C)	-1°F (-0.5°C) 1°F (0.5°C)	Yes	
			Indoor unit fan enable	(checkbox)	On		
			Fan speed	low medium high	high		Only if indoor unit fan enabled.
			Fan on delay	0s, 30s, 60s, 120s, 180s, 240s, 300s	30s		Only if indoor unit fan enabled.
			Fan off delay	0s, 10s, 30s, 60s, 90s, 120s, 180s	10s		Only if indoor unit fan enabled.
			remove equipment	Do you want to remove this equipment?	cancel confirm		
UV bulbs	1, 2 remove equipment	Do you want to remove this equipment?	cancel confirm		1		If UV bulbs added.
HEPA filter	1, 2 remove equipment	Do you want to remove this equipment?	cancel confirm		1		If HEPA filter added.
	1, 2				1		

electronic filter	remove equipment	Do you want to remove this equipment?	cancel confirm				If Electronic filter added.
		edit sensor				Yes	
		sensor name	(text entry)				
		sensor type	surface mount			Yes	
		temperature calibration	-7°F to 7°F in 1°F steps (or) -3.5°C to 3.5°C in 0.5°C steps				
		humidity calibration	-15% to 15% in 1% steps				
		signal strength (acceptable, marginal, or low)	(bar displaying signal strength)				
		save					
		cancel					
		remove	Are you sure you want to remove this sensor?	remove cancel			
	sensor2 (temp/hum values) (up to 8 sensors)	(same as above)					
	zone 1						
	additional zone	(radio buttons)					
	heater kit installed	(checkbox)			No		Appears when "Additional Zone" selected to tell thermostat is heater kit.
	remove equipment	Do you want to remove this equipment?	cancel confirm				
system test	run test (explanation of test)						Only in inverter AC and HP
	test status:	0: "System test required" 1: "Initial test successful"					
	charge mode						Only R410A Inverter AC/HP.
	run test stop (explanation of test)						Only R32 Inverter AC/HP.
	run test stop (explanation of test)						Only R32 Inverter AC/HP.
	test status:	1: "Outdoor Temp out of range - Please use gauges to adjust charge" 2: "System stabilizing" 3: "Outdoor fan speed not in range" 4: "Compressor speed not in range" 5: "Indoor SH not in range" 6: "In range -- SubCool = (SC in °F or °C)" 7: "SC in range--confirming continuous stability"					Only R32 Inverter AC/HP.
	refrigerant leak test	Run test Stop (explanation of test)					R32 EEV air handlers only.
	cooling	run test stop (explanation of test)					If system capabilities include cooling. Runs until stopped or until setup steps completed.
	fan	run test stop (explanation of test)					Runs until stopped or until setup steps completed.
	heat pump heat	run test stop (explanation of test)					If system capabilities include cooling. Runs until stopped or until setup steps completed.
	gas heat	run test stop (explanation of test)					If system capabilities include cooling. Runs until stopped or until setup steps completed.
	electric heat	run test stop (explanation of test)					If system capabilities include cooling. Runs until stopped or until setup steps completed.
	pump down	run test stop (explanation of test)					All-climate HP, Enhanced 5-ton, and some older inverter models.
	error history	(date and time of error) (code - equipment) (error description) Clear error history?				Yes	
	calibration	temperature calibration	-10°F to 10°F in 1°F steps (or) -5.5°C to 5.5°C in 0.5°C steps		0°F (or) 0°C		
		humidity calibration	-15% to 15% in 1% steps		0%		
		operation mode				Yes	all equipment, enhanced for Fit AC/HP from May 2021.
		current critical error				Yes	if currently active critical error
		current minor error				Yes	if currently active minor error
		requested heat demand				Yes	Only HP models
		requested cool demand				Yes	all equipment
		requested indoor CFM				Yes	all equipment
		requested indoor fan demand				Yes	inverter always shows "0%", may only display for 2-stage where is valid.
		requested dehum demand				Yes	all equipment
		indoor superheat				Yes	R32 models only
		refrigerant type				Yes	R32 models only
		compressor runtime				Yes	inverter only
		compressor reduction mode				Yes	inverter only
		outdoor fan RPM				Yes	inverter only, except DZ18TC models
		outdoor fan tap				Yes	DZ18/C models only
		outdoor air temp				Yes	all equipment
		outdoor coil temp				Yes	Not 2-stage, All-climate HP, or 5-ton Enhanced FIT
		liquid temperatures				Yes	inverter only
		discharge temperature				Yes	inverter only
		outdoor defrost sensor temp				Yes	inverter HP only
		suction temperature				Yes	inverter only
		suction pressure				Yes	inverter only
	air conditioner	high pressure sensor				Yes	All-climate HP and 5-ton enhanced models only
	(or)	retry code				Yes	Fit or 20 SEER (late '22)
	heat pump	inverter current (A)				Yes	Fit or 20 SEER (late '22)
		inverter fin temp				Yes	Fit or 20 SEER (late '22)
		current compressor speed (%)				Yes	Fit or 20 SEER (late '22)
		current compressor speed (RPS)				Yes	Fit or 20 SEER (late '22)
		target compressor speed (RPS)				Yes	Fit or 20 SEER (late '22)
		request for compressor				Yes	Fit or 20 SEER (late '22)
		reversing valve				Yes	Fit or 20 SEER (late '22)
		request for OD fan				Yes	Fit or 20 SEER (late '22)
		OD fan motor current (A)				Yes	Fit or 20 SEER (late '22)
		target OD fan speed (RPM)				Yes	Fit or 20 SEER (late '22)
		Cold Climate HP (yes/no)				Yes	All-climate HP models only.
		request for fan2				Yes	All-climate HP and 5-ton enhanced models only
		fan2 motor current				Yes	All-climate HP and 5-ton enhanced models only
		target fan2 speed				Yes	All-climate HP and 5-ton enhanced models only
		current fan2 speed				Yes	All-climate HP and 5-ton enhanced models only
		OD EEV Opening (%)				Yes	Fit or 20 SEER (late '22)
		liquid EEV Opening (%)				Yes	All-climate HP and 5-ton enhanced models only
		powerful heating status				Yes	R32 inverter models only.
		ID coil freeze protection				Yes	Fit or 20 SEER (late '22)
		crank case heater				Yes	Fit or 20 SEER (late '22)
		drain pan heater				Yes	Fit (late '22)
		preheat				Yes	Fit or 20 SEER (late '22)
		preheat output (W)				Yes	Fit or 20 SEER (late '22)
	status	operation mode				Yes	

