Daikin One+ and TouchThermostat Commissioning Menu Outline for Unitary Equipment, v3.5 software

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Default	Display only?	Daikin Thermostat Conditions
welcome	english español française	(radio buttons)				english		
	use large font	(checkbox)				unchecked		
	continue							
equipment type	unitary (radio button) single/multi-split (S21) (radio button) VRV, SkyAir, single/multi-split (P1P2) (radio button)	cancel continue				unitary		
	continue							
setup	begin setup	(to smart thermostat setup with 5 main steps below)						
	setup options	factory reset						
	learn more	firmware (version #)					Yes	
		check for update						
	thermostat ID (DKN number)	(2D barcode of DKN number for cloud commissioning)					Yes	
	dismiss						Yes	
1. Communication	equipment type	unitary				unitary		
		mini/multi-split (S21)						
		VRV, SkyAir, mini/multi-split (P1/P2)						
	wifi	use wifi						
		networks	(list of available networks) search again					Only appears when "use wifi" selected
		internet connected (tickmark)					Yes	Only appears when connected to acive wifi network.
		Daikin One Cloud connected (tickmark)					Yes	Only appears if successfully connect to internet.
		legal notices	terms of use	(text)			Yes	
			privacy policy	(text)			Yes	
			end user license agreement	(text)			Yes	
		restart thermostat					Yes	If internet connected but not cloud
2. Personalization	language	english español française				english		
	use large font	(checkbox)				unchecked		
	date & time	(month, day, and year selection)						set automatically when connect to WiFi.
		(hour, minute, and am/pm selection)						set automatically when connect to WiFi.
		use 24-hour time format				disabled		
		time zone	(list of time zones)			Pacific		set automatically when connect to mobile app.
	name	main room upstairs downstairs hallway bedroom kitchen other (other name)	(text entry for other)			main room		
	degree units	fahrenheit celsius				fahrenheit		
		Specifications	Model #				Yes	If scan successful
			Serial #				Yes	
			Control Software Version				Yes	
			Inverter Software Version				Yes	Inverter only
			Number of cool stages				Yes	
			Number of heat stages				Yes	Will display for AC, as "0" stages.
			Tonnage				Yes	
	Air Conditioner (model # from CT)	Cool Settings	Cool Airflow Trim	Low speed trim	-15% to 15% in 3% steps			Inverter AC only, but not with 24V furnace adaptor
					-15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit AC from Mar. 2020, but not with 24V furnace adaptor
				Intermediate speed trim	'-15% to 15% in 3% steps			Inverter AC only, but not with 24V furnace adaptor
					-15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit AC from Mar. 2020, but not with 24V furnace adaptor
				High speed trim	'-15% to 15% in 3% steps			Inverter AC only, but not with 24V furnace adaptor
					-15%, -10, -5, 0, 5, 10, 15			Fit AC from Mar. 2020, but not with 24V furnace adaptor
				-10% to 10% in 2% steps				2-stage models only
			Cool Profile	Profile A Profile B Profile C Profile D				Not available with 24V furnace adaptor
			Cool Airflow ON Delay	5, 10, 20, 30s				
			Cool Airflow OFF Delay	30, 60, 90, 120s				
			Max compressor RPS				Yes	Inverter only
			RPS offset	0 to 20 in 0.5 RPS steps				Inverter only
			Dehumidification	Off, On Off, Standard, A (widest range), B (reduced range), C (100% operation only)				Fit AC from Mar. 2020
			Circulation selection	Off, On				Fit AC from May 2021
		Specifications	Model #				Yes	
			Serial #				Yes	
			Control Software Version				Yes	
			Inverter Software Version				Yes	Inverter only
			Number of cool stages				Yes	
			Number of heat stages				Yes	
			Tonnage				Yes	
		Cool Settings	Cool Airflow Trim	Low speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit HP from Mar. 2020
				Intermediate speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15, 20, 30, Max			Fit HP from Mar. 2020
				High speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020
				-10% to 10% in 2% steps				2-stage models only
			Cool Profiles	Profile A Profile B Profile C Profile D				
			Cool Airflow ON Delay	5, 10, 20, 30s				
			Cool Airflow OFF Delay	30, 60, 90, 120s				
			Max compressor RPS				Yes	Inverter only
			Max RPS offset	0 to 20 in 0.5 RPS steps				Inverter only

Section	Equipment	Group	Parameter	Values	Range 2	Default	Yes	Notes
	Heat Pump (model # from CT)		Dehumidification	Off, On				
				Off, Standard, A (widest range), B (reduced range), C (100% operation only)				Fit HP from Mar. 2020
			Circulation selection	Off, On				Fit HP from May 2021
		Heat Settings	Heat Airflow Trim	Low speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020
				Intermediate speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020
				High speed trim	'-15% to 15% in 3% steps			Inverter HP only
					-15%, -10, -5, 0, 5, 10, 15			Fit HP from Mar. 2020
				-10% to 10% in 2% steps				2-stage models only
			Heat Airflow ON Delay	5, 10, 15s				HP only
			Heat Airflow OFF Delay	30, 50, 70, 90s				HP only
			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				HP only
			Defrost Compressor Delay	0, 5, 15, 30s				2-stage HP only
			Max compressor RPS				Yes	Inverter only
			Max RPS offset	0 to 20 in 0.5 RPS steps				Inverter only
		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.
			aux heat lockout temp	-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 (-23°C to 22°C in 2.5°C steps)		50°F (10°C)		Only displayed for dual-fuel systems (HP and gas furnace).
			prioritize efficiency (or) prioritize comfort	(radio buttons)		prioritize comfort		Only displayed for dual-fuel systems (HP and gas furnace).
	Furnace (model # from CT)	Specifications	Model #				Yes	
			Serial #				Yes	
			Control Software Version				Yes	
			number of heat stages				Yes	
			Size/Capacity				Yes	Not 24V furnace adaptor
			Blower Motor Size				Yes	Not 24V furnace adaptor
		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 24V furnace adaptor
			Gas Heat Airflow ON Delay	5 to 30s in 5s steps				Modulating and 2-stage R410A furnaces, not 24V furnace adaptor
			Gas Heat Airflow OFF Delay	30 to 180s in 30s steps				Modulating and 2-stage R410A furnaces, not 24V furnace adaptor
			Heat CFM Taps	Tap A Tap B Tap C Tap D				Modulating and 2-stage R410A and R32 furnaces (not 24V furnace adaptor or mod or R410A ULN furnaces)
		Humidifier Relay	Mode	Off On with heat and hum On with hum		On with heat and hum		Daikin 2-stage and mod R410A furnaces and all R32 furnaces (not 24V furnace adaptor, or R410A ULN)
			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
3. Equipment Setup	**Air Handler or Blower (model # from CT)**	Specifications	Model #				Yes	
			Serial #				Yes	
			Control Software Version				Yes	
			Blower Motor Size				Yes	
		Heater Kit	Is a heater kit installed?	Yes/No		No		non-EEV air handlers (used to confirm heater kit installed matches heater kit settings on PCB).
							Yes	non-EEV air handlers
			Size (kW)	0, 3, 5, 6, 8, 10kW				DV25PEC, DV24FEC, DFVE24, and DMVE24 models that support heater kits
				0, 5, 6, 8, 10, 15, 19kW				DV35FEC, DV36FEC, DV37PEC, DV42FEC, DFVE35, DFVE36, DFVE42, and DMVE36 models that support heater kits
				0, 5, 6, 8, 10, 15, 20kW				DV47FEC, DV48FEC, 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
			Electric Heat Airflow Trim	0% to 10% in 2% steps				EEV air handlers only
				-10% to 10% in 2% steps				non-EEV air handlers (ClimateTalk models with TXV) and MBVK blowers that support heater kits
			Heat Airflow ON Delay				Yes	
			Heat Airflow OFF Delay				Yes	
		Humidifier Relay	Humidifier Enable with Blower None					EEV air handlers only
			Humidification Mode	Off On Independent				EEV air handlers only, if humidifier selected in top menu
			Humidification Fan Speed	25, 50, 75, 100%				EEV air handlers only, if "humidifier" and "independent" selected above.
		Aux Alarm	On/Off					non-EEV air handlers and blowers.
	Coil	Configuration	Serial #				Yes	
			Software Version				Yes	
	Media filter		1, 2			1		
		Remove equipment	Do you want to remove this equipment?	Cancel Continue				
	Add Equipment		air quality sensor					
			24V AC Condenser					Mod or 2-stage furnace only (not 1-stage ULN or Amana furnaces), if no communicating AC or HP
			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 bulb					Can only add 1 of each type.
			HEPA filter					Can only add 1 of each type.
			Electronic filter	low speed trim				Can only add 1 of each type.
			Zone board					Can only add 1 of each type.
	Indoor air quality sensor	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
			Cool CFM	18, 24, 30, 36, 42, 48, 60 kBTUs cooling				
			Cool Airflow Trim	-15% to 15% in 3% steps				R410A modulating furnace only
				-10% to 10% in 2% steps				R410A 2-stage furnace only

Equipment	Setting Group	Setting	Options		Default		Notes
24V AC Condenser	Cool Settings	Cool Profiles	Profile A Profile B Profile C Profile D				
		Cool Airflow ON Delay	5, 10, 20, 30s 1, 5, 10, 20, 30s				R410A modulating furnace only R410A 2-stage furnace only
		Cool Airflow OFF Delay	30, 60, 90, 120s 0, 30, 60, 90, 120s				R410A modulating furnace only R410A 2-stage furnace only
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
Humidifier	Connection		Aux1 Aux2				If humidifier added.
	Control		On with heat On with heat and hum On with hum		On with heat and hum call		
	Fan speed		25% 50% 75% 100%				
	number of pads		1, 2				
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
Dehumidifier	Connection		Aux1 Aux2				If dehumidifier added.
	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%		
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
Aux heat source	Connection		Aux1 Aux2				
	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)	disabled		
				-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)		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 to in 0.5°C steps)	-3°F (-1.5°C)		Enabled automatically if connected to AC outdoor.
				Turn off temperature differential: -4°F to 1°F in 1°F steps (-2°C to 0.5°C in 0.5°C steps)	1°F (0.5°C)		Enabled automatically if connected to AC outdoor. Must be 3 or 4°F (2°C) above Ton.
			Indoor unit fan enabled	(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.
	Aux 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)	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
			T on / T off	Turn on temperature differential: -2 or -1°F (-1.0 or -0.5°C)	-1°F (-0.5°C)		
				Turn off temperature differential: 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 Continue				
UV Bulb		1, 2			1		If UV bulbs added.
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
HEPA filter		1, 2			1		If HEPA filter added.
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
Electronic filter		1, 2			1		If Electronic filter added.
	Remove equipment	Do you want to remove this equipment?	Cancel Continue				
Zone Board	Type	EWC Zone Board				Yes	If zone board added
	Zone 1 Additional Zone	(radio button)			Zone 1		
	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 Continue				
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	Run test Stop (explanation of test)						Only Inverter AC/HP.
Charge Verification Mode	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					Only R32 Inverter AC/HP.
Refrigerant Leak Test	Refrigerant leak test	Run test Stop (explanation of test)					If R32 refrigerant
	Cooling	Run test Stop (explanation of test)					If system capabilities include cooling
	Fan	Run test Stop (explanation of test)					

4. System Optimization	Optional Tests	Heat Pump Heat	Run test Stop (explanation of test)					If system capabilities include heat pump heat.
		Gas Heat	Run test Stop (explanation of test)					If system capabilities include gas heat
		Electric Heat	Run test Stop (explanation of test)					If system capabilities include electric heat
		Pump Down	Run test Stop (explanation of test)					Inverter only, but not Fit AC/HP.
	Error History	(date and time of error) (code - equipment) (error description)					Yes	
		Clear error history?	Cancel/Continue	Yes/No				
	Calibration	Temperature calibration	-7°F to 7°F in 1°F steps (or) -3.5°C to 3.5°C in 0.5°C steps				0°F (or) 0°C	
		Humidity calibration	-15% to 15% in 1% steps				0%	
	Status	air conditioner (or) heat pump	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	DZ18VC models only
			outdoor air temp					Yes	all equipment
			outdoor coil temp					Yes	Not 2-stage models
			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
			OD high pressure sensor (PSI)					Yes	ccHP and 5-ton enhanced models only
			retry code					Yes	Fit or 20 SEER (late '22)
			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	Cold Climate models only.
			request for OD fan2					Yes	Cold Climate models only.
			OD fan2 motor current (A)					Yes	Cold Climate models only.
			target OD fan2 speed (RPM)					Yes	Cold Climate models only.
			current OD fan2 speed (RPM)					Yes	Cold Climate models only.
			OD EEV Opening (%)					Yes	Fit or 20 SEER (late '22)
			OD liquid EEV Opening (%)					Yes	Cold Climate 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)
		air handler	operation mode					Yes	
			current critical error					Yes	
			current minor error					Yes	
			current heat demand					Yes	
			requested heat demand					Yes	
			electric heat stages					Yes	R32 EEV air handlers only
			current indoor CFM					Yes	
			current indoor fan demand					Yes	
			requested indoor fan demand					Yes	
			requested hum demand					Yes	
			refrigerant type					Yes	EEV air handlers only
			refrigerant leak detected					Yes	R32 air handlers only
			indoor superheat					Yes	EEV air handlers only, if cooling and data valid
			fan runtime					Yes	EEV air handlers only
			liquid temperature					Yes	EEV air handlers only
			suction temperature					Yes	EEV air handlers only
			pressure sensor					Yes	EEV air handlers only, removed for R32 units
			aux alarm status					Yes	EEV air handlers only, removed for R32 units
		furnace	operation mode					Yes	Hidden for 24V furnace adaptor
			current critical error					Yes	
			current minor error					Yes	
			current heat demand					Yes	
			requested heat demand					Yes	
			current cool demand					Yes	Hidden for 24V furnace adaptor
			requested cool demand					Yes	Hidden for 24V furnace adaptor
			current indoor CFM					Yes	Hidden for 24V furnace adaptor
			current indoor fan demand					Yes	Hidden for 24V furnace adaptor
			requested indoor fan demand					Yes	Hidden for 24V furnace adaptor
			requested hum demand					Yes	Hidden for 24V furnace adaptor
			requested dehum demand					Yes	Hidden for 24V furnace adaptor
		EEV	current critical error					Yes	
			current minor error					Yes	
			refrigerant type					Yes	R32 EEVs only
			indoor superheat					Yes	EEV air handlers only, if cooling and data valid; value is 32°F high;
			liquid temperature					Yes	
			suction temperature					Yes	
			pressure sensor					Yes	
	cool/heat	min/max setpoints	50°F to 90°F in 1°F increments (10°C to 32°C in 0.5°C steps)				50°F to 90°F (10°C to 32°C)	
		deadband / overcool	Temperature setpoint dead band: 2°F to 9°F in 1°F steps (0°C to 5°C in 0.5°C steps)				4°F / 2°C	If system capabilities include heating and cooling
			Overcooling allowed to dehumidify: 0, 1, 2, or 3°F (0, 0.5, 1, or 1.5°C)				0°F / 0°C	If system capabilities include cooling
		cooling boost mode	on, off					16-18 and newer 20 SEER inverter only
			outdoor activation temperature	Always ON, 70F, 75F, 80F, 85F, 90F, 95F, 100F, 105F				16-18 and newer 20 SEER inverter only, when boost mode on
		heating boost mode	on, off					Fit HP from May 2021
		powerful heating	on, off					R32 inverter HPs only.
			use quiet mode	(check box)			disabled	Fit AC/HP only
			quiet hours	from: (time) to: (time) (time selection in 15 min. steps)			10pm to 7am	Fit AC/HP only

5. Preferences							
	house settings	quiet mode	Sound suppression level	Level 1 Level 2 Level 3 (quietest)			Fit AC/HP only
			Capacity priority	(check box)			Fit AC/HP only
			Allow homeowner changes	(check box)		checked	Fit AC/HP only
		house size	500 to 10,000 sf in 100 sqft steps			not available	
		vertical rise	Same level Outdoor lower Indoor lower				Inverter AC/HP (removed in late 2022)
	dealer information	name	(text entry)				
		phone	(text entry)				
		email	(text entry)				
		website	(text entry)				
	reminders	media filter	off, 1, 2, 3, 4, 6, or 12 months			off	if media filter
		HEPA filter	off, 1, 2, 3, 4, 6, or 12 months			off	if HEPA filter
		Electronic filter	off, 1, 2, 3, 4, 6, or 12 months			off	if Electronic filter
		UV bulbs	off, 6, 12, 18, or 24 months			off	if UV bulbs
		dehumidification filter	off, 1, 3, 6, or 12 months			off	if dehumidifier
		humidifier pad	off, 3, 6, or 12 months			off	if humidifier
		service reminder	off, 1, 2, 3, 4, 6, or 12 months			off	if service reminder setup