
Seven Segments Menu Navigation Guide - UNO Outdoor Boards Series

UNO Outdoor Board Series refers to UNO/UNOPRO/UNOJR

REVISION 5 240523

TABLE OF CONTENTS

01. LEGEND AND DESCRIPTIONS 3

02. DEFAULT SCREEN 3

03. SHORT CUT TO DEFAULT SCREEN 3

04. MENU TABLE 4

 04.01. Uno Board 4

 04.01.01. Uno Board - Display & Service Menu 4

 04.01.02. Uno Board - Setting Menu 6

 04.02. Uno Pro Board 7

 04.02.01. Uno Pro Board - Display & Service Menu 7

 04.02.02. Uno Pro Board - Settings Menu 10

 04.03. Uno Jr Board 13

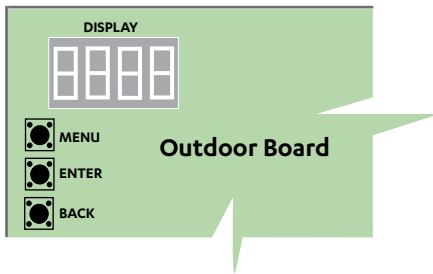
 04.03.01. Uno Jr Board - Display and Service Menu 13




 04.03.02. Uno Jr Board - Settings Menu 16

05. DEFAULT MENU TABLE 17

06. SYSTEM STATUS TABLE 17

01. LEGEND AND DESCRIPTIONS



MENU	 MENU	Scroll through the items at the same menu level. Increment the value being sent.
ENTER	 ENTER	Go into the selected menu. Lock in selected value.
BACK	 BACK	Go back to the parent menu. Press and hold to go back to main menu.


NOTE: This document is applicable to both Residential and Commercial Unit.

Shaded box in MENU tree is only applicable to UNO Board configured for Variable Capacity Commercial Models.

02. DEFAULT SCREEN

When the outdoor board is powered up, the seven segment display will flash the word “boot” for 20 seconds. The system status, menu status or error code will then be displayed. From here on, you can access the menu.


03. SHORT CUT TO DEFAULT SCREEN

Hold the BACK Key “ BACK ” for 3 secs. to return to Default Screen.

(Display will first show “----” on the seven segment for 1 second then it will show the Default screen

NOTE:

After pressing either of the MENU Key “ MENU ”, ENTER Key “ ENTER ”, or

BACK Key “ BACK ” and the system is left idle for 10 minutes then Seven Segment Display will revert back to Default Screen.

04. MENU TABLE

04.01. Uno Board

04.01.01. Uno Board - Display & Service Menu

Default Menu*		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		UOM
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	UOM
boot	Unit is starting up	d5	Display Menu	CrD	Comp Req Demand		(Value)			%
oFF	Unit Off			CrF	Comp Running RPM/PWM		(Value)			RPM / PWM
CoOL	Cooling Mode			EEoP	EEV Opening %		(Value)			%
HEAT	Heating Mode			PrS	Suction Pressure		(Value)			kPa
oILr	Oil Return			Prd	Discharge Pressure		(Value)			kPa
oHP	Overheat Protection			SSh	Saturated Superheat		(Value)			°K
dEP	Disch. Temp. Protect.	SEr	Service Menu	Err	Error Menu	EH S	Error history	Err1	Error-1 (Latest Error)	As per Error Code and Description Table
cPP	Comp. Press. Protect.							Err2	Error-2	
dEF	Defrosting							Err3	Error-3	
HSP	High Suc. Press. Protection							Err4	Error-4	
dr-1	DRM1							Err5	Error-5 (Up to Error-15)	
dr-2	DRM2			ECLr	Error history clear	no/YES	Delete Error History			
dr-3	DRM3			SYS	System Status ⁽¹⁾	oPC	Demand Oper. Mode	oFF / Cool / HEAT		Status
E1 to E99	Error Codes					oPR	Actual Oper. Mode	oFF / Cool / HEAT		Status
						oDSt	ODB Internal State			
						oD5	Outdoor Status	Ac0 / HP0 / Ac4 / HP4		Status
				CoP	Compressor Menu	CrD	Comp Request Demand			%
						CrF	Comp Running RPM/PWM			RPM / PWM
						dEt	Drive temp			°C
						SU	Supply voltage			V
						SC	Supply Current			Amp
		CSF	Override Comp Speed					%		
		EEV	Electronic Expansion Valve Menu	EEoP	EEV Opening %			%		
				SSh	Saturated Superheat			°K		
				ESSh	Target Suction SH			°K		
				SSt	Sat Suction temp			°C		
				dSSH	Disch. SH Temp.			°C		
				CSPT	Suction Pipe Temp.			°C		

⁽¹⁾ See page 7 for additional detail

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		UOM
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	
				EE	Temperature Menu	CSPt	Compressor Suction Pipe temperature	(Value)		°C
						CDt	Comp Discharge temperature	(Value)		°C
						ABt	Ambient temp	(Value)		°C
						ODt	ODU coil temp	(Value)		°C
						LHt	Liquid Heat Temp.	(Value)		°C
						LCt	Liquid Cool Temp.	(Value)		°C
				Pr	Pressure Menu	PrS	Pressure Suction	(Value)		kPa
						Prd	Pressure Discharge	(Value)		kPa
				oF	ODU Fan	0⁽¹⁾	Off			
						1⁽¹⁾	Low			
						2⁽¹⁾	Medium			
						3⁽¹⁾	High			
						01234⁽²⁾	RPM			
				dEF	Defrost Menu	dEFP	Defrost Parameters	odct	ODU coil temp	°C
								dL	De-ice Last accumulation time	min
								dh	De-ice hold time	min
								dc	De-ice confirm time	sec
								dht	Defrost hold time	min
						FdEF	Forced De-ice	on/off	De-ice ON / OFF	Select
				idS	IDU Status	idct	ID Coil Temp.	(Value)		°C
						idFP	ID Fan Running PWM	(Value)		%
						idFr	ID Fan Running RPM	(Value)		RPM
						[rcG]	ID-OD Good Packet	(Value)		--
						[rcb]	ID-OD Bad Packet	(Value)		--
						[rc0]	Clear above 2 Stat.	(Value)		Done
				Srno	Software No.	XXX	ODU Software No.	(Value)		--
				TEST	Test Mode	oFF	Test Mode OFF			Select
						SCTE	Service Cooling Test Mode			
						SHEE	Service Heating Test Mode			

⁽¹⁾ Only for Advance 2 and VCC 15/17kW models.

⁽²⁾ Only for Aires (CRS) and VCC (CRV/PKV720T to CRV/PKV960T) models.

Seven Segment Display Menu

UNO Outdoor Board Series

04.01.02. Uno Board - Setting Menu

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		UOM
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	
		SEt	Settings	PLnP	Pump Down	oFF	Pump down OFF			Select
						oN	Pump down ON			
				oHPs	OHP Status	oHPL	OHP Line (Value)			
						oHPC	OHP Target Cond Temp (Value)			
						oDCP	ODU Cond Pres Value (Value)			
						oHPn	OHP Start Value (Value)			
				cnF9	Family (First two digits) and Capacity (Last two digits) Configuration	0 00⁽¹⁾	Fix Speed	--		--
						0200⁽¹⁾	Digital System	.29/.33		Select
						0300⁽¹⁾	Platinum 3-Phase (Default)	. 6 / . 18 / 2 1 / 24		Select
						0400⁽¹⁾	Advance 3-Phase	. 6 / . 18 / 2 1 / 24		Select
						0500⁽¹⁾	Advance 1-Phase	. 4 / . 16 / . 18		Select
				CtrlS	Control Source	0	3rd Party			Select
						1	Wall Controller (Default)			
						2	Basic BMS			
						3	Wall Controller + Basic BMS			
						4	Advanced BMS			
				oUS	Indoor Unit Settings	FP 1	Low PWM			%
						FP 2	Medium PWM			%
						FP 3	High PWM			%
						Fr 1	Low RPM			RPM
						Fr 2	Medium RPM			RPM
						Fr 3	High RPM			RPM
						FPd	ID Fan Defrost PWM			%
						FPe	Reduce Fan A/F PWM			%
						FL	Filter Hours			hrs
						Econ	Economy Cycle Output			%
						FnSE	Fan Setting	12	Regal	Select
								36	Elgee	Select
						HtSL⁽²⁾	Hot Start	on/off	on (Default)	Select
				SoPE	Enable Soft Start	no / YES	no (Default)			Select
				run	Run Indicator	no / YES	no (Default)			Select

⁽¹⁾ First two digits will be flashing. Select the Family by pressing **Menu** first then press **Enter** to accept. Then the last two digits will be flashing. Select the Capacity by pressing **Menu** then press **Enter** to accept.

⁽²⁾ Feature is not available at this stage.

Seven Segment Display Menu

UNO Outdoor Board Series

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		UOM
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	
				odFS	Start-up Speed	H	High Speed (Default)			Select
						Lo	Low Speed			

04.02. Uno Pro Board

04.02.01. Uno Pro Board - Display & Service Menu

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		UOM
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	
boot	Unit is starting up	d5	Display Menu	CrD	Comp Req Demand	(Value)				%
oFF	Unit Off			CrF	Comp Running RPM	(Value)				RPM
CoOL	Cooling Mode			EEoP	EEV Opening %	(Value)				%
HEAT	Heating Mode			PrS	Suction Pressure	(Value)				kPa
oLR	Oil Return			Prd	Discharge Pressure	(Value)				kPa
ohP	Overheat Protection			SSh	Saturated Superheat	(Value)				°K
dLP	Disch. Temp. Protect.	SEr	Service Menu	Err	Error Menu	EH 5	Error history	Err 1	Error-1 (Latest Error)	As per Error Code and Description Table
cPP	Comp. Press. Protect.							Err 2	Error-2	
dEF	Defrosting							Err 3	Error-3	
hSP	High Suc. Press. Protection							Err 4	Error-4	
dr-1	DRM1							Er 15	Up to Error-15	
dr-2	DRM2					no/YES	Delete Error History			
dr-3	DRM3			SYSt	System Status ⁽¹⁾	oPC	Demand Oper. Mode	oFF / Cool / HEAt		Status
El to E999	Error Codes					oPR	Actual Oper. Mode	oFF / Cool / HEAt		Status
						odSt	ODB Internal State			
						odS	Outdoor Status	0 / Ac0 / HPO / Ac4 / HP4		Status
						odFS ⁽²⁾	Drive Foldback Status	---- ⁽³⁾ / CCF / PtF / iCF		Status
				CoP	Compressor Menu	CrD	Comp Request Demand			%
		CrF	Comp Running RPM/PWM					RPM / PWM		
		dL	Drive temp					°C		
		SU	Supply voltage					V		
		SC	Supply Current					Amp		
				CSF	Override Comp Speed			%		

⁽¹⁾ See page 16 for additional details.

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models

⁽³⁾ Machine not running. If machine is running, refer to the Emerson EV3 drive documentation.

Uno Pro Board - Service Menu - Continues

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	UOM
				EEU	Electronic Expansion Valve Menu	EEoP	EEV Opening %			%
						SSh	Saturated Superheat			°K
						ESSh	Target Suction SH			°K
						SSt	Sat Suction temp			°C
						dSSh	Disch. SH Temp.			°C
						CSPt	Suction Pipe Temp.			°C
				EEr	Temperature Menu	CSPt	Compressor Suction Pipe temperature	(Value)		°C
						CDt	Comp Discharge temperature	(Value)		°C
						Abt	Ambient temp	(Value)		°C
						odct	ODU coil temp	(Value)		°C
						L9ht⁽²⁾	Liquid Heat Temp.	(Value)		°C
						L9ct⁽²⁾	Liquid Cool Temp.	(Value)		°C
				Pr	Pressure Menu	PrS	Pressure Suction	(Value)		kPa
						Prd	Pressure Discharge	(Value)		kPa
				odF	ODU Fan	0	Off			
						1	Low			
						2	Medium			
						3	High			
				dEF	Defrost Menu	dEFP	Defrost Parameters	odct	ODU coil temp	°C
								dL	De-ice Last accumulation time	min
								dH	De-ice hold time	min
								dC	De-ice confirm time	sec
								dHt	Defrost hold time	min
						FdEF	Forced De-ice	on/off	De-ice ON / OFF	Select
				dS	IDU Status	dct	ID Coil Temp.	(Value)		°C
						dFP	ID Fan Running PWM	(Value)		%
						dFr	ID Fan Running RPM	(Value)		RPM
						[rcG]	ID-OD Good Packet	(Value)		--
						[rcb]	ID-OD Bad Packet	(Value)		--
						[rc0]	Clear above 2 Stat.	(Value)		Done

⁽¹⁾ Only for VCC CRV/PKV720T - CRV/PKV960T Models

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models

Seven Segment Display Menu

UNO Outdoor Board Series

Uno Pro Board - Service Menu - Continues

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	UOM
				Sctno	Software No.	XXX	ODU Software No.	(Value)		--
				TEST	Test Mode	OFF	Test Mode OFF			Select
						SCTE	Service Cooling Test Mode			
						SHEE	Service Heating Test Mode			
				PUMP	Pump Down	OFF	Pump down OFF			Select
						on	Pump down ON			
				OHPS	OHP Status	ohPL	OHP Line	(Value)		
						ohPc	OHP Target Cond Temp	(Value)		
						odcP⁽¹⁾	ODU Cond Pres Value	(Value)		
						ohPn	OHP Start Value	(Value)		
				dc⁽¹⁾	Disable compressor	YES	Enable	dsAb	Flashing	
						no	Disable (default)			
				ESU⁽¹⁾	Manual EXV setting for Oil Return	on	Enable Manual EXV Setting			
						OFF	Disable Manual EXV Setting			
				SOP⁽¹⁾	Sensor OutPut Values	Sca2	CO2 Sensor Value			--

⁽¹⁾ Only for VCC CRV/PKV720T - CRV/PKV960T Models

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models

04.02.02. Uno Pro Board - Settings Menu

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2					
Display	Description	Display	Description	Display	Description	Display	Description	Value	Range	UOM	
		SEt	Settings			F 06 ⁽¹⁾	VCC - Split	0072 / 85 / 96		Select	
						F 07 ⁽¹⁾	VCC - Package	0072 / 85 / 96		Select	
				crF9	Configuration	08.00 ⁽²⁾	Aires	.0 / .13 / .15 / .17		Select	
						00.00 ⁽²⁾	Advance	.13 / .15 / .17		Select	
						1.00 ⁽²⁾	VCC 15 to 17	.15 / .17		Select	
						Cr. ^(1,3)	Circuit Numbers	Cr.1 = Circuit-1			
								Cr.2 = Circuit-2			
								Cr.3 = Circuit-3			
								Cr.4 = Circuit-4			
				Cr5	Control Source	Cr.0 ⁽⁴⁾	3rd Party	Cr.0 ⁽⁴⁾ = 3rd Party			
						Cr.1 ⁽⁴⁾	Wall Control (default)	Cr.1 ⁽⁴⁾ = Wall Control (default)			
						Cr.2 ⁽⁴⁾	Basic BMS	Cr.2 ⁽⁴⁾ = Basic BMS			
						Cr.3 ⁽⁴⁾	Wall Control + Basic BMS	Cr.3 ⁽⁴⁾ = Wall Control + Basic BMS			
						Cr.4 ⁽⁴⁾	Advanced BMS	Cr.4 ⁽⁴⁾ = Advanced BMS			
				dl5	Indoor Unit Settings	FP1	IDU Fan Low PWM setting	As per Table ⁽⁵⁾	20-100	PWM	
						FP2	IDU Fan Med PWM setting		20-100	PWM	
						FP3	IDU Fan High PWM setting		20-100	PWM	
						Fr1	IDU Fan Low RPM setting		000-2000	RPM	
						Fr2	IDU Fan Med RPM setting		000-2000	RPM	
						Fr3	IDU Fan High RPM setting		000-2000	RPM	
						FPd	IDU Fan Defrost PWM setting		0	0-100	PWM
						FPc	IDU Reduced Airflow PWM setting		0	0-100	PWM
						F.L	IDU Fan Filter Hours setting		200	00-990	Hours
						Econ	IDU Econ 0-10V Output setting		0	0-100	VDC
						FrSE	Indoor Fan Setting	0	6-36	Pulse / Rev.	
				Soft ⁽⁶⁾	Enable Soft Start	no / YES	no = Soft Start not enabled (default)				
							YES = Soft Start enabled				

⁽¹⁾ Only for VCC CRV/PKV720T - CRV/PKV960T Models. Last two digits will be flashing. Select the Family by pressing **Menu** first then press **Enter** to accept. Then **0072** will display with the last three digits flashing. Select the Capacity by pressing **Menu** then press **Enter** to accept.

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models. First two digits will be flashing. Select the Family by pressing **Menu** first then press **Enter** to accept. Then the last two digits will be flashing. Select the Capacity by pressing **Menu** then press **Enter** to accept.

⁽³⁾ Circuit numbers depends on Family.

⁽⁴⁾ Last digit will be flashing. Select the Control Source by pressing **Menu** first then press **Enter** to accept.

⁽⁵⁾ Table No will be available in the Advance (R-32 Series) operation detail document.

⁽⁶⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models.

Seven Segment Display Menu

UNO Outdoor Board Series

Uno Pro Board - Service Menu - Continues

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2				
Display	Description	Display	Description	Display	Description	Display	Description	Value	Range	UOM
				run	Run Indicator	no / YES	no = Indoor Fan and Compressor (default) YES = Compressor only			
				odFS	Outdoor fan setting	OdMS⁽¹⁾	(0-90) Outdoor fan high static			
						Pe⁽²⁾	Pressure control	1	0-1	No
						te⁽²⁾	Temperature control	0	0-1	No
						CrS⁽²⁾	Cooling rated speed.	As per Table ⁽³⁾	0-10	VDC
						ChS⁽²⁾	Cooling max. speed.	As per Table ⁽³⁾	CrS-10	VDC
						CrS⁽²⁾	Temp. restricted speed.	As per Table ⁽³⁾	6- (CrS-1)	VDC
						Cr1⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	36-45	°C
						Cr2⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	36-45	°C
						Cr3⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	30-40	°C
						HrS⁽²⁾	Heating rated speed.	As per Table ⁽³⁾	0-10	°C
						HrMS⁽²⁾	Heating max. speed.	As per Table ⁽³⁾	HrS-10	VDC
						HrS⁽²⁾	Heating temp. restricted speed.	As per Table ⁽³⁾	6- (HrS-1)	VDC
						Hr1⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	5-10	°C
						Hr2⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	1-10	°C
						Hr3⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	1-10	°C
				qs	Quiet Mode	CCS⁽²⁾	Cooling compressor speed	As per Table ⁽⁴⁾	3000-4200	RPM
						HCS	Heating compressor speed	As per Table ⁽⁴⁾	3000-4200	RPM
						CCt	Cooling mode critical temp. condition.	35	35-40	°C
						HCt	Heating mode critical temp. condition.	0	5-10	°C
				ECn⁽¹⁾	Group Control	off	Group Control disabled (default)			
						on	Group Control enabled - may be changed only if Group Control is connected.			
				ECaE⁽¹⁾	Economy Cycle Enable	aAdc	Outside air damper enable	1 = enable 0 = disable		
						aAda	Outside air damper On Off			
						ECEa	Economiser control enable			
						EHCE	Humidity control enable			
						EHCa	Humidity control mode			
						EHCS	Humidity sensor source			
						CCE	CO ₂ control enable			

⁽¹⁾ Only for VCC CRV/PKV720T - CRV/PKV960T Modes

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models

⁽³⁾ Table No will be available in the Advance (R-32 Series) operation detail document

⁽⁴⁾ Table No will be available in the Advance (R-32 Series) operation detail document

Uno Pro Board - Service Menu - Continues

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2				
Display	Description	Display	Description	Display	Description	Display	Description	Value	Range	UOM
				EEoS ⁽¹⁾	Economy Cycle Settings	EEd	Economiser temperature difference			
						EoLl	Economiser outside min temp			
						EoHl	Economiser outside max temp			
						EoLd	Economiser outside min damper			
						EoHd	Economiser outside max damper			
						EoMh	Economiser outside max humidity			
						EoMn	Economiser outside max moisture			
						EodP	Economiser outside max dew point			
						EoHE	Economiser outside max enthalpy			
						EEd	Economiser enthalpy delta			
						ELPL	Economiser co2 p1	600 (default)	200-800	
						EMPL	Economiser co2 p2	800 (default)	300-1200	
						ELdP	Economiser co2 damper p1	0 (default)	0-100	
						EMdP	Economiser co2 damper p2	0 (default)	0-100	
				dSH ⁽¹⁾	De-superheater	dSHE	De-superheater enable	1 - enable		
						dHdS	De-superheater disable-heating only	0 - disable		
						dCt	De-superheater critical temp.	55 (default)	20-80	
				ECS ⁽¹⁾	Enable compressor staging	on	Enabled compressor staging (default)			
						off	Disabled compressor staging			
				FFC ⁽¹⁾	Indoor Fan K-Factor (default depends on capacity of unit)	425	96kW			
						425	85kW			
						545	72kW			
				HSE ⁽¹⁾	Hot Start Settings	on	Hot Start enabled (for BMS only)			
						off	Hot Start disabled (default)			
				EEU ⁽²⁾	Electronic Expansion Valve	SEEU	Single EEV			
						dEEU	Double EEV			
				EEVt ⁽²⁾	Electronic Expansion Valve Type	EE1	UKV			
						EE2	UKV-SE (default)			
				CS ⁽²⁾	Compressor Speed	ASdr	Active compressor speed restriction			
						dCCS	Default compressor cooling speed			
						dHCS	Default compressor heating speed			
						SCCS	Selected compressor cooling speed			
						SHCS	Selected compressor heating speed			

⁽¹⁾ Only for VCC CRV/PKV720T - CRV/PKV960T Models

⁽²⁾ Only for Advance 2/PRV15AT/PRV17AT and Aires Models

04.03. Uno Jr Board

04.03.01. Uno Jr Board - Display and Service Menu

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		Default	Range	UOM
Display	Description	Display	Description	Display	Description	Display	Description			
d5	Display Menu	CrD	Comp Req Demand					0	0-100	%
		CrF	Comp Running RPM/PWM					0	--	RPM / PWM
		EEoP	EEV Opening %					0	0-100	%
		PrS	Suction Pressure					0	--	kPa
		Prd	Discharge Pressure					0	--	kPa
		SSh	Saturated Superheat					--	--	°K
SEr	Service Menu	Err	Error Menu	EH5	Error history	Err1	Error-1 (Latest Error)	--	E01-E55	As per Default Display Table (Section 02.)
						Err2	Error-2	--	E01-E55	
						Err3	Error-3	--	E01-E55	
						Err3 to		--	E01-E55	
						Err15	Error-15 (maximum number of entries)	--	E01-E55	
		ECLr	Error history clear	na/	Delete Error History	--	--			
dLY	CrCL	Cancels the current Must On/Must Off timers								

NOTE: Shaded boxes are not applicable to Classic 2 Models.

Seven Segment Display Menu

UNO Outdoor Board Series

Uno Jr Board - Display and Service Menu - Continues

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		Default	Range	UOM
Display	Description	Display	Description	Display	Description	Display	Description			
		SYSt	System Status	oPc	Demand Oper. Mode	oFF	System Off or System Controller Off, waiting for capacity demand			
				oPp	Actual Oper. Mode	CoOL	Cooling Mode			
				oDSt	ODB Internal State	HEAt	Heating Mode			
						0	Standby			
						1	Cooling			
						2	Heating			
						3	Start Cooling			
						4	Start Heating			
						5	Stopping			
						6	Pre defrost			
						7	Defrosting			
						8	Post defrost			
						00	Pump Down			
						SS	Booting			
				oDs	Outdoor Status	AC0	Cool Thermostat Off			
						HP0	Heat Thermostat Off			
						AC4	Cool Must Off			
						HP4	Heat Must Off			
		CoP	Compressor Menu	CrD	Comp Request Demand	0		0 to 100	%	
				CrF	Comp Running RPM/PWM	0		15 to 100	RPM / PWM	
				d t	Drive temp	--		-60 to 100	°C	
				SU	Supply voltage	0		0 to 1000	V	
				SC	Supply Current	0.0		0 to 100	Amp	
				CSF	Override Comp Speed	0		0-100	%	
		EEV	Electronic Expansion Valve Menu	EEoP	EEV Opening %	0		0 to 100	%	
				SSh	Saturated Superheat	--		0 to 1000	°K	
				tSSh	Target Suction SH	1 0.0		1 to 1000	°K	
				SSt	Sat Suction temp	0.0		-2000 to 2000	°C	
				dSSh	Disch. SH Temp.	0.0		-2000 to 2000	°C	
				CSPt	Suction Pipe Temp.	--		-2000 to 2000	°C	

NOTE: Shaded boxes are not applicable to Classic 2 Models.

Seven Segment Display Menu

UNO Outdoor Board Series

Uno Jr Board - Display and Service Menu - Continues

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3			Default	Range	UOM	
Display	Description	Display	Description	Display	Description	Display	Description					
SEr	Service Menu	tEr	Temperature Menu	CSPE	Compressor Suction Pipe temperature			--	-2000 to 2000	°C		
				CDt	Comp Discharge temperature			--	-60 to 200	°C		
				Abt	Ambient temp			--	-60 to 120	°C		
				odct	ODU coil temp			--	-40 to 120	°C		
				L9ht	Liquid Heat Temperature			--		°C		
				L9ct	Liquid Cool Temperature			--		°C		
		Pr	Pressure Menu	PrS	Pressure Suction					--	11 to 6000	kPa
				Prd	Pressure Discharge					--	0 to 3	kPa
		odf	ODU Fan	odFP	ODU Fan Speed	1	Low			--		
						2	Medium					
						3	High					
		dEF	Defrost Menu	dEFP	Defrost Parameters	odct	ODU coil temp			--	-40 to 120	°C
						dL	De-ice Last accumulation time	0.00				min
						d h	De-ice hold time	30.00				min
						d c	De-ice confirm time	0.00	0.00 to 3.00			min
dht	Defrost hold time					30	20 & 30			min		
FdEF	Forced De-ice	on / off	De-ice On/Off					Select				
, dS	IDU Status	dct	ID Coil Temperature					--	--	°C		
		dFP	ID Fan Running PWM					--	--	%		
		dFr	ID Fan Running RPM					--	--	RPM		
		CrCS	ID-OD Good Packet					--	0 to 9999			
		CrCb	ID-OD Bad Packet					--	1 to 9999			
		CrCd	Clear above 2 Status. done is displayed for a few seconds									
		SErno	Outdoor board software version									
		tEST	Test Mode	off	End test							
				cool	Test outdoor unit in Cooling operation							
				HEAt	Test outdoor unit in Heating operation							
		PLnP	Pump Down									

NOTE: Shaded boxes are not applicable to Classic 2 Models.

Seven Segment Display Menu

UNO Outdoor Board Series

04.03.02. Uno Jr Board - Settings Menu

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3		Default	Range	UOM		
Display	Description	Display	Description	Display	Description	Display	Description					
SEt	Settings	CoPS	Compressor Settings	F ⁽¹⁾	Fixed Speed			F ⁽¹⁾		Select		
				d ⁽¹⁾	Digital							
				I ⁽¹⁾	Inverter							
		CtrS	Control Sorce	0	3rd Party					I	0 to 5	
				1	Wall Controller							
				2	Basic BMS							
				3	Wall Controller + Basic BMS							
				4	Advanced BMS							
				5	Add-on Cooling							
		CSEn	Coil Sensor	no	Disable Outdoor Coil Sensor					YES		Select
				YES	Enable Outdoor Coil Sensor							
		bPud	Baud Rate	4800	AMIB					9600		Select
				9600	Inzone/CMIB							
		idLS	Indoor Unit Settings	FP1	Low PWM					0	20 to 100	%
				FP2	Med PWM							
				FP3	High PWM							
				Fr1	Low RPM							
				Fr2	MED RPM							
				Fr3	High RPM							
				FPd	ID Fan Defrost PWM							
				FPc	Reduce Fan A/F PWM							
				F _L	Filter Hours							
				Econ	Economy Cycle Output							
				FnSE	Number of fan sensor poles							
		36	Elgee									
		SoPt	Soft Start									
		run	Run Indicator Setting	no	Run Relay only set when compressor is On					no		Select
				YES	Run Relay set when IDU fan is on or when compressor On							
		CCH	Crank case heater	no	Disable Crank case heater					no		Select
				YES	Enable Crank case heater							
		odFS	Outdoor Fan Start-up Speed	H	High Speed					H		Select
Lo	Low Speed											

⁽¹⁾ Displays the capacity of the unit.

NOTE: Shaded boxes are not applicable to Classic 2 Models.

05. DEFAULT MENU TABLE

Status Code	Category	Unit Running Status
book	Status	Unit is starting up
oFF	Status	Unit Off or Unit Turning Off (flashing)
CoOL	Status	Start Cooling (flashing)
CoOL	Status	Unit Cooling Mode (not flashing)
HEAT	Status	Start Heating (flashing)
HEAT	Status	Unit Heating Mode or Indoor coil pre-heat after defrost (not flashing)
oilr	Status	Oil return operation
ohP	Status	Unit derating - Overheat Protection Mode
dtP	Status	Unit derating - Discharge Temperature Protection Mode
ctPP	Status	Unit derating - Condenser Pressure Protection Mode
AFP	Status	Anti Freeze Protection Mode (not flashing)
dEF	Status	Heating Mode - Defrost
hSP	Status	Unit derating - High Suction Pressure Protection Mode
dr-1	Status	DRM1
dr-2	Status	DRM2
dr-3	Status	DRM3
E1 to E999	Error	Error Codes

06. SYSTEM STATUS TABLE

odS	Outdoor Status
FCO	Unit is in cooling mode but indoor demand is 0%.
FC4	Unit is in the cooling must-off timer of 3 min.
HP0	Unit is in heating mode but indoor demand is 0%.
HP4	Unit is in the heating must-off timer of 3 min.
----	Machine not running
CCF	Compressor Current Foldback
PLF	Power Module Temperature Foldback
ICF	AC Input Current Foldback

odSt	Outdoor Board Internal Status
0	Standby
1	Cooling
2	Heating
3	Start Cooling
4	Start Heating
5	Stopping
6	Pre Defrost
7	Defrosting
8	Post Defrost
9	(N/A)
10	Pump Down
255	Booting

ERROR CODES

Complete list of Error Codes may be accessed by clicking this link [ERROR CODES](#)

