

ActronAir UNO Outdoor Board Seven Segment Display Menu User Guide

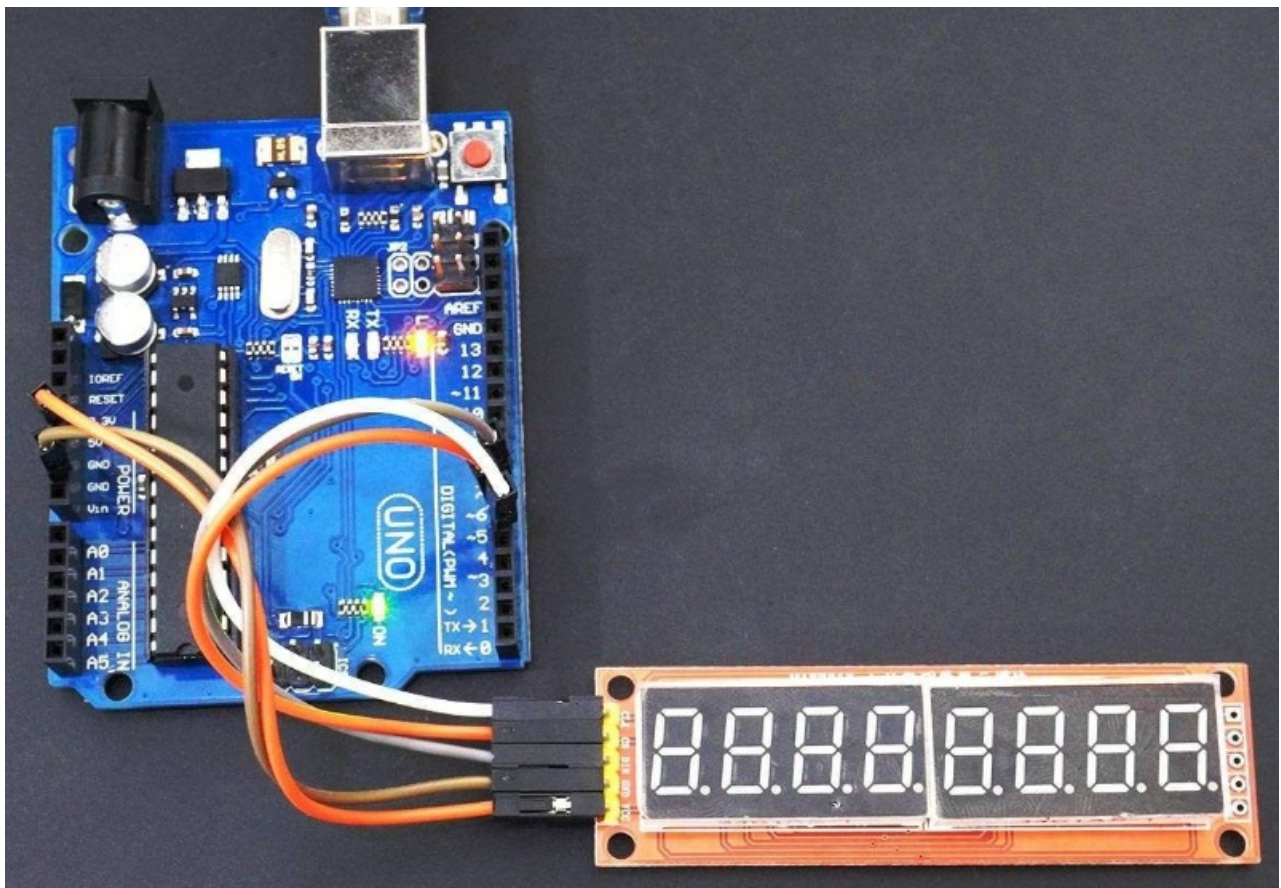
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ActronAir

ActronAir UNO Outdoor Board Seven Segment Display Menu



Specifications

- Product Name: UNO Outdoor Board Series
- Models: UNO, UNOPRO, UNOJR
- Revision: 5 240523

Product Usage Instructions

Legend and Descriptions

DISPLAY: Scroll through the items at the same menu level.

Menu Table

Uno Board

- Main Menu
- Sub-Menu Level 1
- Sub-Menu Level 2
- Display Menu:
 - Unit is starting up
 - Unit Off
 - Cooling Mode
 - Heating Mode
 - Oil Return
 - Overheat Protection

Frequently Asked Questions (FAQ)

Q: How do I access the default screen?

A: Simply power up the outdoor board, and after the initial flash, wait for the system status, menu status, or error code to be displayed.

Seven Segments Menu Navigation Guide – UNO Outdoor Boards Series

UNO Outdoor Board Series refers to UNO/UNOPRO/UNOJR

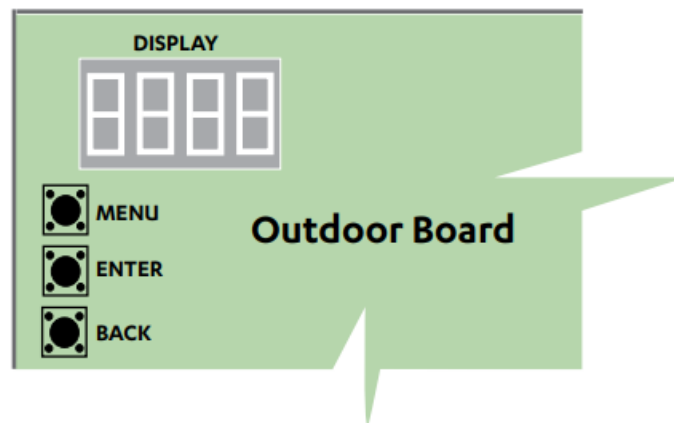
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ActronAir is constantly seeking ways to improve the design of its products. Therefore, specifications are subject to change without notice.

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.

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.





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.

MENU TABLE














































Uno Board

Uno Board – Display & Service Menu



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Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	UOM
	Unit is starting up		Display Menu		Comp Req Demand		(Value)			%
	Unit Off				Comp Running RPM/PWM		(Value)			RPM / PWM
	Cooling Mode				EEV Opening %		(Value)			%
	Heating Mode				Suction Pressure		(Value)			kPa
	Oil Return				Discharge Pressure		(Value)			kPa
	Overheat Protection				Saturated Superheat		(Value)			°K
	Disch. Temp. Protect.		Service Menu		Error Menu		Error history		Error-1 (Latest Error)	As per Error Code and Description Table
	Comp. Press. Protect.								Error-2	
	Defrosting								Error-3	
	High Suc. Press. Protection								Error-4	
	DRM1								Error-5 (Up to Error-1S)	
	DRM2						Error history clear		Delete Error History	
	DRM3				System Status ⁽¹⁾		Demand Oper. Mode	oFF / Cool / HEAt		Status
	Error Codes						Actual Oper. Mode	oFF / Cool / HEAt		Status
							ODB Internal State			
							Outdoor Status	Ac0 / HP0 / Ac4 / HP4		Status
					Compressor Menu		Comp Request Demand			%
							Comp Running RPM/PWM			RPM / PWM
							Drive temp			°C
							Supply voltage			V
							Supply Current			Amp
							Override Comp Speed			%
					Electronic Expansion Valve Menu		EEV Opening %			%
							Saturated Superheat			°K
							Target Suction SH			°K
							Sat Suction temp			°C
							Disch. SH Temp.			°C
							Suction Pipe Temp.			°C

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
					Temperature Menu		Compressor Suction Pipe temperature		(Value)	°C
							Comp Discharge temperature		(Value)	°C
							Ambient temp		(Value)	°C
							ODU coil temp		(Value)	°C
							Liquid Heat Temp.		(Value)	°C
							Liquid Cool Temp.		(Value)	°C
					Pressure Menu		Pressure Suction		(Value)	kPa
							Pressure Discharge		(Value)	kPa
					ODU Fan		Off			
							Low			
							Medium			
							High			
							RPM			
					Defrost Menu		Defrost Parameters		ODU coil temp	°C
									De-ice Last accumulation time	min
									De-ice hold time	min
									De-ice confirm time	sec
									Defrost hold time	min
							Forced De-ice		De-ice ON / OFF	Select
					IDU Status		ID Coil Temp.		(Value)	°C
							ID Fan Running PWM		(Value)	%
							ID Fan Running RPM		(Value)	RPM
							ID-OD Good Packet		(Value)	--
							ID-OD Bad Packet		(Value)	--
							Clear above 2 Stat.		(Value)	Done
					Software No.		ODU Software No.		(Value)	--
					Test Mode		Test Mode OFF			Select
							Service Cooling Test Mode			
							Service Heating Test Mode			

04.01.02. Uno Board - Setting Menu

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
			Settings		Pump Down		Pump down OFF			Select
							Pump down ON			
					OHP Status		OHP Line		(Value)	
							OHP Target Cond Temp		(Value)	
							ODU Cond Pres Value		(Value)	
							OHP Start Value		(Value)	
					Family (First two digits) and Capacity (Last two digits) Configuration		Fix Speed		--	--
							Digital System			Select
							Platinum 3-Phase (Default)			Select
							Advance 3-Phase			Select
							Advance 1-Phase			Select
					Control Source		3rd Party			Select
							Wall Controller (Default)			
							Basic BMS			
							Wall Controller + Basic BMS			
							Advanced BMS			
					Indoor Unit Settings		Low PWM			%
							Medium PWM			%
							High PWM			%
							Low RPM			RPM
							Medium RPM			RPM
							High RPM			RPM
							ID Fan Defrost PWM			%
							Reduce Fan A/F PWM			%
							Filter Hours			hrs
							Economy Cycle Output			%
							Fan Setting		Regal	Select
									Elgee	Select
							Hot Start		on(Default)	Select
					Enable Soft Start		no / YES		no (Default)	Select
					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			
Display	Description	Display	Description	Display	Description	Display	Description	Display	Description	UOM	
					Start-up Speed		High Speed (Default)			Select	
							Low Speed				

Uno Pro Board

Uno Pro Board – Display & Service Menu

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
	Unit is starting up		Display Menu		Comp Req Demand		(Value)			%
	Unit Off				Comp Running RPM		(Value)			RPM
	Cooling Mode				EEV Opening %		(Value)			%
	Heating Mode				Suction Pressure		(Value)			kPa
	Oil Return				Discharge Pressure		(Value)			kPa
	Overheat Protection				Saturated Superheat		(Value)			°K
	Disch. Temp. Protect.		Service Menu		Error Menu		Error history		Error-1 (Latest Error)	As per Error Code and Description Table
	Comp. Press. Protect.								Error-2	
	Defrosting								Error-3	
	High Suc. Press. Protection								Error-4	
	DRM1								Up to Error-15	
	DRM2								Delete Error History	
	DRM3									
	Error Codes									
					System Status ⁽¹⁾		Demand Oper. Mode	oFF / Cool / HEAt		Status
							Actual Oper. Mode	oFF / Cool / HEAt		Status
							ODB Internal State			
							Outdoor Status	0 / Ac0 / HP0 / Ac4 / HP4		Status
							Drive Foldback Status	---- ⁽¹⁾ / CCF / PtF / ICF		Status
					Compressor Menu		Comp Request Demand			%
							Comp Running RPM/PWM			RPM / PWM
							Drive temp			°C
							Supply voltage			V
							Supply Current			Amp
							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
					Electronic Expansion Valve Menu		EEV Opening %			%
							Saturated Superheat			°K
							Target Suction SH			°K
							Sat Suction temp			°C
							Disch. SH Temp.			°C
							Suction Pipe Temp.			°C
					Temperature Menu		Compressor Suction Pipe temperature		(Value)	°C
							Comp Discharge temperature		(Value)	°C
							Ambient temp		(Value)	°C
							ODU coil temp		(Value)	°C
							Liquid Heat Temp.		(Value)	°C
							Liquid Cool Temp.		(Value)	°C
					Pressure Menu		Pressure Suction		(Value)	kPa
							Pressure Discharge		(Value)	kPa
					ODU Fan		Off			
							Low			
							Medium			
							High			
					Defrost Menu		Defrost Parameters		ODU coil temp	°C
									De-ice Last accumulation time	min
									De-ice hold time	min
									De-ice confirm time	sec
									Defrost hold time	min
							Forced De-ice		De-ice ON / OFF	Select
					IDU Status		ID Coil Temp.		(Value)	°C
							ID Fan Running PWM		(Value)	%
							ID Fan Running RPM		(Value)	RPM
							ID-OD Good Packet		(Value)	--
							ID-OD Bad Packet		(Value)	--
							Clear above 2 Stat.		(Value)	Done

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
				Sna	Software No.	XX	ODU Software No.	(Value)		--
				HE	Test Mode	OFF	Test Mode OFF			Select
						SCHE	Service Cooling Test Mode			
						SHHE	Service Heating Test Mode			
				PLP	Pump Down	OFF	Pump down OFF			Select
						ON	Pump down ON			
				OHPS	OHP Status	OhPL	OHP Line (Value)			
						OhPt	OHP Target Cond Temp (Value)			
						OdCP⁽¹⁾	ODU Cond Pres Value (Value)			
						OhPn	OHP Start Value (Value)			
				dc⁽¹⁾	Disable compressor	YES	Enable	Fla	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	SCo2	CO2 Sensor Value		--	

1. Only for VCC CRV/PKV720T – CRV/PKV960T Models

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		Value	Range	UOM
Display	Description	Display	Description	Display	Description	Display	Description			
		SEt	Settings			F 06⁽¹⁾	VCC - Split	002 / 05 / 06		Select
						F 07⁽¹⁾	VCC - Package	002 / 05 / 06		Select
				000⁽²⁾	Aires	0 / 0 / 0		0 / 0 / 0		Select
				000⁽²⁾	Advance	0 / 0 / 0		0 / 0 / 0		Select
				1000⁽²⁾	VCC IS to 17	0 / 0 / 0		0 / 0 / 0		Select
				Cr^(3,1)	Circuit Numbers	Cr1	Circuit-1			
						Cr2	Circuit-2			
						Cr3	Circuit-3			
						Cr4	Circuit-4			
				005	Control Source	000⁽⁴⁾	3rd Party			
						001⁽⁴⁾	Wall Control (default)			
						002⁽⁴⁾	Basic BMS			
						003⁽⁴⁾	Wall Control + Basic BMS			
						004⁽⁴⁾	Advanced BMS			
				005	Indoor Unit Settings	FP1	IDU Fan Low PWM setting	20-00		PWM
						FP2	IDU Fan Med PWM setting	20-00		PWM
						FP3	IDU Fan High PWM setting	20-00		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
						FP4	IDU Fan Defrost PWM setting	0	0-00	PWM
						FP5	IDU Reduced Airflow PWM setting	0	0-00	PWM
						FL	IDU Fan Filter Hours setting	200	00-990	Hours
						Econ	IDU Econ 0-10V Output setting	0	0-00	VDC
				FrSE	Indoor Fan Setting	0		0	0-00	Pulse / Rev.
				SoP⁽⁴⁾	Enable Soft Start	no / YES	no = Soft Start not enabled (default)			
						YES	YES = Soft Start enabled			

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	na/YES	na = Indoor Fan and Compressor (default) YES = Compressor only			
				OFF	Outdoor fan setting	0-95 ⁽²⁾	(0-90) Outdoor fan high static			
						Pc ⁽²⁾	Pressure control	0	0-1	No
						tc ⁽²⁾	Temperature control	0	0-1	No
						C-S ⁽²⁾	Cooling rated speed.	As per Table ⁽³⁾	0-0	VDC
						D-S ⁽²⁾	Cooling max. speed.	As per Table ⁽³⁾	0-5-0	VDC
						Cr-S ⁽²⁾	Temp. restricted speed.	As per Table ⁽³⁾	6- (0-5-1)	VDC
						Cr-I ⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	36-46	°C
						Cr-R ⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	36-46	°C
						Cr-F ⁽²⁾	Cooling restricted temp.	As per Table ⁽³⁾	30-40	°C
						H-S ⁽²⁾	Heating rated speed.	As per Table ⁽³⁾	0-0	°C
						H-S ⁽²⁾	Heating max. speed.	As per Table ⁽³⁾	4-5-0	VDC
						H-S ⁽²⁾	Heating temp. restricted speed.	As per Table ⁽³⁾	6- (4-5-1)	VDC
						H-I ⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	5-0	°C
						H-R ⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	1-0	°C
						H-F ⁽²⁾	Heating restricted temp.	As per Table ⁽³⁾	1-0	°C
				QS	Quiet Mode	CS ⁽²⁾	Cooling compressor speed	As per Table ⁽⁴⁾	3000-4200	RPM
						HS	Heating compressor speed	As per Table ⁽⁴⁾	3000-4200	RPM
						CL	Cooling mode critical temp. condition.	36	36-40	°C
						HL	Heating mode critical temp. condition.	0	5-0	°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	OFF	Outside air damper enable	1 = enable 0 = disable		
						OFF	Outside air damper On Off			
						EEEn	Economiser control enable			
						EHCE	Humidity control enable			
						EHCL	Humidity control mode			
						EHCS	Humidity sensor source			
						COE	CO ₂ control enable			

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 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.

Default Menu		Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2				
Display	Description	Display	Description	Display	Description	Display	Description	Value	Range	UOM
				ECS (1)	Economy Cycle Settings	Ecd	Economiser temperature difference			
						Ealt	Economiser outside min temp			
						Ealt	Economiser outside max temp			
						Eald	Economiser outside min damper			
						Eald	Economiser outside max damper			
						EahH	Economiser outside max humidity			
						Eahh	Economiser outside max moisture			
						EadP	Economiser outside max dew point			
						EaHE	Economiser outside max enthalpy			
						EEd	Economiser enthalpy delta			
						ELP	Economiser co2 p1	600 (default)	200-800	
						ELPL	Economiser co2 p2	800 (default)	300-1200	
						ELdP	Economiser co2 damper p1	0 (default)	0-100	
						ELdP	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		
						dSL	De-superheater critical temp.	55 (default)	20-80	
				ECS (1)	Enable compressor staggering	on	Enabled compressor staggering (default)			
						off	Disabled compressor staggering			
						VCS	96kW			
						VCS	85kW			
						VCS	72kW			
				HdS (1)	Hot Start Settings	on	Hot Start enabled (for BMS only)			
						off	Hot Start disabled (default)			
				EEV (2)	Electronic Expansion Valve	SEEV	Single EEV			
						DEEV	Double EEV			
				EEV (2)	Electronic Expansion Valve Type	EEV	UKV			
						EEV	UKV-SE (default)			
				CS (2)	Compressor Speed	ACS	Active compressor speed restriction			
						dACS	Default compressor cooling speed			
						dACS	Default compressor heating speed			
						SACS	Selected compressor cooling speed			
						SACS	Selected compressor heating speed			

1. Only for VCC CRV/PKV720T – CRV/PKV960T Models
2. Only for Advance 2/PRV15AT/PRV17AT and Aires Models

























Uno Jr Board

Uno Jr Board – Display and Service Menu

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3				
Display	Description	Display	Description	Display	Description	Display	Description	Default	Range	UOM
dS	Display Menu	CrD	Comp Req Demand					0	0-100	%
		CrF	Comp Running RPM/PWM					0	--	RPM / PWM
		EEV	EEV Opening %					0	0-100	%
		P-S	Suction Pressure					0	--	kPa
		Pd	Discharge Pressure					0	--	kPa
		SSH	Saturated Superheat					--	--	°K
SE	Service Menu	Err	Error Menu	EH S	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		
					to	--	E01-E55			
				Err 15	Error-15 (maximum number of entries)	--	E01-E55			
		no/	Delete Error History	--	--					
		dLY	LnCL	Cancels the current Must On/Must Off timers						

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

Uno Jr Board – Display and Service Menu – Continues

Main Menu		SUB-MENU LEVEL 1		SUB-MENU LEVEL 2		SUB-MENU LEVEL 3					
Display	Description	Display	Description	Display	Description	Display	Description	Default	Range	UOM	
			System Status		Demand Oper. Mode		System Off or System Controller Off, waiting for capacity demand				
					Actual Oper. Mode		Cooling Mode				
					ODB Internal State		Heating Mode				
						0	Standby				
						1	Cooling				
						2	Heating				
						3	Start Cooling				
						4	Start Heating				
						5	Stopping				
						6	Pre defrost				
						7	Defrosting				
						8	Post defrost				
						0	Pump Down				
					55	Booting					
			Outdoor Status		Cool Thermostat Off						
					Heat Thermostat Off						
					Cool Must Off						
					Heat Must Off						
			Compressor Menu		Comp Request Demand	0	0 to 100		%		
					Comp Running RPM/PWM	0	15 to 100		RPM / PWM		
					Drive temp	--	-60 to 100		°C		
					Supply voltage	0	0 to 1000		V		
					Supply Current	00	0 to 100		Amp		
					Override Comp Speed	0	0-100		%		
					Electronic Expansion Valve Menu		EEV Opening %	0	0 to 100		%
							Saturated Superheat	--	0 to 1000		°K
			Target Suction SH			100	1 to 1000		°K		
			Sat Suction temp			00	-2000 to 2000		°C		
			Disch. SH Temp.			00	-2000 to 2000		°C		
			Suction Pipe Temp.			--	-2000 to 2000		°C		

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				
SE	Service Menu	EE	Temperature Menu	CSA	Compressor Suction Pipe temperature	--		--	-2000 to 2000	°C	
				CD	Comp Discharge temperature	--		--	-60 to 200	°C	
				RA	Ambient temp	--		--	-60 to 120	°C	
				ODC	ODU coil temp	--		--	-40 to 120	°C	
				LH	Liquid Heat Temperature	--				°C	
				LC	Liquid Cool Temperature	--				°C	
		Pr	Pressure Menu	PS	Pressure Suction	--			11 to 6000	kPa	
				PD	Pressure Discharge	--			0 to 3	kPa	
		OF	ODU Fan	OFF	ODU Fan Speed	1	Low	--			
						2	Medium				
						3	High				
		DEF	Defrost Menu	DEF	Defrost Parameters	ODC	ODU coil temp	--		-40 to 120	°C
						DL	De-ice Last accumulation time	0.00			min
						dh	De-ice hold time	30.00			min
						dc	De-ice confirm time	0.00	0.00 to 3.00	min	
						dh	Defrost hold time	30	20 & 30	min	
				FDEF	Forced De-ice	on / off	De-ice On/Off			Select	
				S	IDU Status	IDC	ID Coil Temperature	--		--	
		OFF	ID Fan Running PWM			--		--		%	
OFF	ID Fan Running RPM	--				--		RPM			
IGS	ID-OD Good Packet	--				0 to 9999					
IGB	ID-OD Bad Packet	--				1 to 9999					
IGD	Clear above 2 Status. done is displayed for a few seconds										
SBS	Outdoor board software version										
EST	Test Mode	OFF	End test								
		COOL	Test outdoor unit in Cooling operation								
		HEAT	Test outdoor unit in Heating operation								
PUMP	Pump Down										

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^(*)	Fixed Speed			F^(*)		Select
				d^(*)	Digital					
				I^(*)	Inverter					
		CoS	Control Sorce	0	3rd Party			1	0 to 5	
				1	Wall Controller					
				2	Basic BMS					
				3	Wall Controller + Basic BMS					
				4	Advanced BMS					
				5	Add-on Cooling					
		CoSn	Coil Sensor	no	Disable Outdoor Coil Sensor			YES		Select
				YES	Enable Outdoor Coil Sensor					
		bPd	Baud Rate	4800	AMIB			9600		Select
				9600	Inzone/CMIB					
		dLS	Indoor Unit Settings	FP1	Low PWM			0	20 to 100	%
				FP2	Med PWM			0	20 to 100	%
				FP3	High PWM			0	20 to 100	%
				Fr1	Low RPM			0	1000 to 2000	RPM
				Fr2	MEd RPM			0	1000 to 2000	RPM
				Fr3	High RPM			0	1000 to 2000	RPM
				FPd	ID Fan Defrost PWM			0	0 to 100	%
				FPe	Reduce Fan A/F PWM			0	0 to 100	%
				FL	Filter Hours			0	200 to 9900	hrs
				Econ	Economy Cycle Output			0	0 to 100	%
				FnsE	Number of fan sensor poles	2	Regal	0	6 to 36	
						36	Elgee			
		Soft	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					
		CH	Crank case heater	no	Disable Crank case heater			no		Select
				YES	Enable Crank case heater					
		oFS	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.

DEFAULT MENU TABLE

Status Code	Category	Unit Running Status
h00t	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
dEP	Status	Unit derating - Discharge Temperature Protection Mode
cPP	Status	Unit derating - Condenser Pressure Protection Mode
FPF	Status	Anti Freeze Protection Mode (not flashing)
dEF	Status	Heating Mode - Defrost
HSP	Status	Unit derating - High Suction Pressure Protection Mode
d--1	Status	DRM1
d--2	Status	DRM2
d--3	Status	DRM3
E to E999	Error	Error Codes

SYSTEM STATUS TABLE

ad5	Outdoor Status
RCO	Unit is in cooling mode but indoor demand is 0%.
RC4	Unit is in the cooling must-off timer of 3 min.
HPO	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


ad5	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)
0	Pump Down
255	Booting

ERROR CODES

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

Seven Segments Menu Navigation -Uno Outdoor Board Series Doc. No. 9590-2011-04 Ver. 5 240523

Documents / Resources

	<p>ActronAir UNO Outdoor Board Seven Segment Display Menu [pdf] User Guide UNO Outdoor Board Seven Segment Display Menu, Outdoor Board Seven Segment Display Menu, Board Seven Segment Display Menu, Seven Segment Display Menu, Segment Display Menu, Display Menu, Menu</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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