

Configuration Summary

System

Apex Name	ReefTank
Apex Model	A3 APEX Pro
AOS Version	5.12 CA25
Serial Number	AC6:36893
Report Generated	Fri Apr 24 2026 08:47:13 GMT-0400 (Eastern Daylight Time)

Modules

Address	1
Name	FluidMon
Type	FMM
Address	2
Name	EnergyBar
Type	EB832
Address	3
Name	AWCDos
Type	DOS QD
Address	4
Name	3rdPartyBus



Address	5
Name	AFS_Bus
Type	AFS

Address	6
Name	MXM
Type	MXM

Inputs

Device	1_I2
Name	Leak
Type	Switch

Device	1_I4
Name	Swx1_4
Type	Switch

Device	1_P0
Name	ATO_WL
Type	LLS
Min Alarm	3

Device	1_P2
Name	RC_WL
Type	LLS



	Name		Heater_1A
	Type		A
	Device		2_P1
	Name		Heater_2A
	Type		A
	Device		2_P2
	Name		ATO_PA
	Type		A
	Device		2_P3
	Name		UNUSED_1A
	Type		A
	Device		2_P4
	Name		Return_PumpPA
	Type		A
	Device		2_P5
	Name		Light_PLA
	Type		A
	Device		2_P6
	Name		Light_PRA
	Type		A



	Name		SkimmerA
	Type		⚡ A
	Device		2_P8
	Name		Heater_1W
	Type		⚡ W
	Device		2_P9
	Name		Heater_2W
	Type		⚡ W
	Device		2_P10
	Name		ATO_PW
	Type		⚡ W
	Device		2_P11
	Name		UNUSED_1W
	Type		⚡ W
	Device		2_P12
	Name		Return_PumpPW
	Type		⚡ W
	Device		2_P13
	Name		Light_PLW
	Type		⚡ W

	Name		Light_PRW
	Type		⚡ W
	Device		2_P15
	Name		SkimmerW
	Type		⚡ W
	Device		2_P16
	Name		Volt_2
	Type		⚡ V
	Device		base_Cond
	Name		Salt
	Type		🔗 Conductivity
	Enabled		true
	Min Alarm		0
	Max Alarm		45
	Device		base_I1
	Name		Sw1
	Type		🔘 Switch
	Device		base_I2
	Name		Sw2
	Type		🔘 Switch
	Device		base_I3



type	
Device	base_I4
Name	Sw4
Type	Switch
Device	base_I5
Name	Sw5
Type	Switch
Device	base_I6
Name	Sw6
Type	Switch
Device	base_ORP
Name	ORP
Type	ORP
Enabled	true
Min Alarm	150
Max Alarm	450
Device	base_pH
Name	pH
Type	pH
Enabled	true
Min Alarm	7.8



Device	base_pH2
Name	pH2
Type	pH
Enabled	false

Device	base_Temp
Name	Temp
Type	Temperature
Enabled	true
Min Alarm	24
Max Alarm	27

Outputs

ID	0
Device	base_Var1
Name	VarSpd1_I1
Type	Variable
Icon	Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	Set MoonCloud

ID	1
----	---



Name	varSpd2_I2
Type	Variable
Icon	↔ Left/Right Arrows
Control Type	Advanced
Log	Disable
Program	

Set PF2

ID	2
Device	base_Var3
Name	VarSpd3_I3
Type	Variable
Icon	↑↓ Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	

Set PF3

ID	3
Device	base_Var4
Name	VarSpd4_I4
Type	Variable
Icon	↔ Left/Right Arrows
Control Type	Advanced



Program

Set PF4

ID	4
Device	base_Alarm
Name	Base_Alarm
Type	Alarm
Icon	🔊 Sound B
Control Type	Advanced
Log	Disable

Program

Set OFF
If Leak CLOSED Then ON
If Temp > 26.5 Then ON
If Temp < 24.5 Then ON
If Salt < 27.0 Then ON
If Salt > 34.0 Then ON
If RC_WL > 11.0 Then ON
If RC_WL < 6.5 Then ON
Defer 005:00 Then ON

ID	5
Device	base_Warn
Name	Base_Warning
Type	Alarm
Icon	🔊 Sound A
Control Type	Advanced
Log	Disable



Set OFF

ID	6
Device	base_email
Name	Email_Alarm
Type	Alarm
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable

Program

```
Set OFF
If Leak CLOSED Then ON
If Temp > 26.5 Then ON
If Temp < 24.5 Then ON
If Salt < 27.0 Then ON
If Salt > 34.0 Then ON
If RC_WL > 11.0 Then ON
If RC_WL < 6.5 Then ON
Defer 005:00 Then ON
```

ID	8
Device	1_2
Name	Fluid_Alarm
Type	Alarm
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable

Program

ID9

Device2_1

NameHeater_1

TypeOutlet

Icon Thermometer

Control TypeAdvanced

LogEnable

Program

```
Fallback OFF
If Temp < 25.1 Then ON
If Temp > 25.4 Then OFF
If Output Return_Pump = OFF Then OFF
If Output Feed_Window = ON Then OFF
If Temp < 21.0 Then OFF
If Temp > 28.0 Then OFF
If Leak CLOSED Then OFF
Defer 001:00 Then ON
```

ID10

Device2_2

NameHeater_2

TypeOutlet

Icon Thermometer

Control TypeAdvanced

LogEnable

Program

```
Fallback OFF
If Temp < 25.1 Then ON
```

If Temp < 21.0 Then OFF
If Temp > 28.0 Then OFF
If Leak CLOSED Then OFF
Defer 001:00 Then ON

ID11
Device2_3
NameATO_P
TypeOutlet
Icon Spigot
Control TypeAdvanced
LogDisable

Program

Fallback ON
Set ON
If Output Return_Pump = OFF Then OFF
If Output Feed_Window = ON Then OFF
If RC_WL > 7.6 Then OFF
If Leak CLOSED Then OFF
If Error AWC_ADD_L Then OFF
If Error AWC_REM_R Then OFF
Defer 002:00 Then ON

ID12
Device2_4
NameUNUSED_1
TypeOutlet
Icon Fan
Control TypeAlways



Program

Fallback OFF
Set OFF

ID	13
Device	2_5
Name	Return_PumpP
Type	Outlet
Icon	↕ Up/Down Arrows
Control Type	Always
Log	Disable

Program

Fallback ON
Set ON

ID	14
Device	2_6
Name	Light_PL
Type	Outlet
Icon	💡 Light B
Control Type	Always
Log	Disable

Program

Fallback ON
Set ON



Device	2_7
Name	Light_PR
Type	Outlet
Icon	↔ Left/Right Arrows
Control Type	Always
Log	Disable
Program	

Fallback ON

Set ON

ID	16
Device	2_8
Name	Skimmer
Type	Outlet
Icon	⚙ Spigot
Control Type	Advanced
Log	Enable
Program	

Fallback ON

Set ON

If Output Return_Pump = OFF Then OFF

If RC_WL > 8.0 Then OFF

If Leak CLOSED Then OFF

Defer 002:00 Then ON

ID	17
Device	2_9



Type	24VDC
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	
Set OFF	

ID	18
Device	2_10
Name	LinkB_2_10
Type	24VDC
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	
Set OFF	

ID	19
Device	3_1
Name	AWC_ADD_L
Type	DOS QD Pump
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable



```
Fallback OFF
tdata 00:00:00,1,19,8,205,3,252,84,8,223,2,148,17,0
If RC_WL > 8.0 Then OFF
If RC_WL < 6.5 Then OFF
If Leak CLOSED Then OFF
```

ID	20
Device	3_2
Name	AWC_REM_R
Type	DOS QD Pump
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable

```
Program
Fallback OFF
tdata 00:00:00,1,3,8,205,3,252,84,8,223,2,148,17,0
If RC_WL > 8.0 Then OFF
If RC_WL < 6.5 Then OFF
If Leak CLOSED Then OFF
```

ID	21
Device	4_1
Name	Return_Pump
Type	Pump
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable

Program



Set 60

If Leak CLOSED Then OFF

If RC_WL < 5.0 Then OFF

If Output Feed_Window = ON Then OFF

Defer 001:00 Then ON

ID	22
Device	Cntl_A1
Name	H2O_START
Type	Virtual
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	

Set OFF

If FeedD 000 Then ON

Defer 720:00 Then OFF

ID	23
Device	Cntl_A2
Name	H2O_CONTROL
Type	Virtual
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable
Program	

Set OFF

If Output H2O_START = ON Then ON

ID

24

Device

5_1

Name

Feeder

Type

AFS

Icon

↕ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

Set OFF

If Output Feed_FeedNow = ON Then ON

ID

25

Device

6_1

Name

Powerhead_R

Type

Pump

Icon

↕ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

tdata 00:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0

tdata 01:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0

tdata 02:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0

tdata 03:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0

tdata 04:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0

tdata 05:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0

tdata 06:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0

ID	26
Device	6_2
Name	Powerhead_L
Type	Pump
Icon	↕ Up/Down Arrows
Control Type	Advanced
Log	Disable

Fallback OFF

tdata	00:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0
tdata	01:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0
tdata	02:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0
tdata	03:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0
tdata	04:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0
tdata	05:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0
tdata	06:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0
tdata	07:00:00,0,0,45,1,0,0,0,0,0,0,0,0,0,0
tdata	08:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0
tdata	09:00:00,0,0,45,1,0,0,0,0,0,0,0,0,0,0
tdata	10:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0

tdata	14:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0
tdata	15:00:00,0,0,45,1,0,0,0,0,0,0,0,0,0,0
tdata	16:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0
tdata	17:00:00,0,0,45,1,0,0,0,0,0,0,0,0,0,0
tdata	18:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0
tdata	19:00:00,0,0,45,1,0,0,0,0,0,0,0,0,0,0
tdata	20:00:00,0,0,20,1,0,0,0,0,0,0,0,0,0,0
tdata	21:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0
tdata	22:00:00,0,0,20,2,0,0,0,0,0,0,0,0,0,0
tdata	23:00:00,0,0,45,2,0,0,0,0,0,0,0,0,0,0

ID	27
Device	6_3
Name	Light_L
Type	Light
Icon	 Light B
Control Type	Advanced
Log	Disable

Program

```
Fallback OFF
tdata 12:00:00,0,0,0,0,100,100,0,100,100,0,0,0,0
tdata 14:00:00,0,0,5,0,100,100,0,100,100,0,0,0,0
tdata 16:59:00,0,0,10,0,100,100,0,100,100,0,0,0,0
tdata 20:00:00,0,0,5,0,100,100,0,100,100,0,0,0,0
tdata 22:00:00,0,0,0,0,100,100,0,100,100,0,0,0,0
```

ID	28
Device	6_67
Name	Lunar_L
Type	Light



Control type

Advanced

Log

Disable

Program

Fallback OFF

tdata 06:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 10:00:00,0,2,20,100,100,0,0,0,0,0,0,0

tdata 13:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 21:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 22:00:00,0,2,20,100,100,0,0,0,0,0,0,0

tdata 23:00:00,0,2,0,100,100,0,0,0,0,0,0,0

ID

29

Device

6_4

Name

Light_R

Type

Light

Icon

Light B

Control Type

Advanced

Log

Disable

Program

Fallback OFF

tdata 12:00:00,0,0,0,0,100,100,0,100,100,0,0,0,0

tdata 14:00:00,0,0,5,0,100,100,0,100,100,0,0,0,0

tdata 16:59:00,0,0,10,0,100,100,0,100,100,0,0,0,0

tdata 20:00:00,0,0,5,0,100,100,0,100,100,0,0,0,0

tdata 22:00:00,0,0,0,0,100,100,0,100,100,0,0,0,0

ID

30

Device

6_68

Name

Lunar_R



Icon

↓ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

tdata 06:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 10:00:00,0,2,20,100,100,0,0,0,0,0,0,0

tdata 13:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 21:00:00,0,2,0,100,100,0,0,0,0,0,0,0

tdata 22:00:00,0,2,20,100,100,0,0,0,0,0,0,0

tdata 23:00:00,0,2,0,100,100,0,0,0,0,0,0,0

ID

31

Device

Cntl_A3

Name

Feed_Window

Type

Virtual

Icon

↕ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

Set OFF

If Time 13:00 to 13:10 Then ON

If Time 20:00 to 20:10 Then ON

ID

32

Device

Cntl_A4

Name

Feed_FeedNow



Icon

↓ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

Set OFF

If Output Feed_Window = ON Then ON

Defer 002:00 Then ON

Min Time 001:00 Then OFF

ID

33

Device

Cntl_A5

Name

Feed_Recover

Type

Virtual

Icon

↕ Up/Down Arrows

Control Type

Advanced

Log

Disable

Program

Fallback OFF

Set OFF

If Output Feed_FeedNow = ON Then ON

Defer 005:00 Then ON

Profiles

ID

1

Name

MoonCloud



Name	PF2
ID	3
Name	PF3
ID	4
Name	PF4
ID	5
Name	PF5
ID	6
Name	PF6
ID	7
Name	PF7
ID	8
Name	PF8
ID	9
Name	PF9
ID	10
Name	PF10
ID	11
Name	PF11



Name	PF12	
	ID	13
Name		PF13
ID	14	
	Name	
PF14		
ID	15	
	Name	
PF15		
ID	16	
	Name	
PF16		
ID	17	
	Name	
PF17		
ID	18	
	Name	
PF18		
ID	19	
	Name	
PF19		
ID	20	
	Name	
PF20		
ID	21	
	Name	
PF21		



Name	PF22
ID	23
Name	PF23
ID	24
Name	PF24
ID	25
Name	PF25
ID	26
Name	PF26
ID	27
Name	PF27
ID	28
Name	PF28
ID	29
Name	PF29
ID	30
Name	PF30
ID	31
Name	PF31



Name

PF32

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