

GrowSphere[™] SingleNet Mapping

using "Polenet2Max" Application.

Jan 2023





SingleNet interface with GS is only via RS485. RS485 Module must be installed on Upper Port. Note the "DIP Switch" position on the RS 485 Module marked in RED must be towards the "ON" Side







Wiring Between Host & GS max Controller A to A & B To B. also LK1 & LK2 Jumper on the SingleNet Host should be Upper side









Required Polenet Version

Always Check for Latest & Recommended Versions of PoleNet & Polenet2Max App.

• Use Polenet Version: 3.26.42 Or Newer Version



- Use Host Firmware Version: 1.58.18 Or Newer
 - Use RTU Firmware Version : 1.66 Or Newer

** UI Interface is subject to change with New Versions



Connect to SingleNet Host and confirm is all RTUs are captured and available





GrowSphere Hydraulic Configuration

A Not secure	192.168.0	10/webvisu.htm			_				€ ☆
Gro	wSphe	re™ GS03	Mair	n line 1 🔹 🔻	Settings		Δ	Fri 13 Jan 2023 16:09:00	(ج. 36
<u>ش</u>		Configuration		Local I/O		Remote I/O	Communicatio	n Wiring Diagr	am
备		Mainline	Pump S	Station	Filter Station	Dosing Station	Valves	Other Devices	
	Mainli	ne		,					
00	Valv	es	40						
(NPK)		Pump							
Â		Pump Station							
		Filter Station							
		Dosing Station							
(3)		Main Valve							
		Main WM						al Pump st	ation
GK		Main Pressure se	ensor				O Afte	r filter	





Navigate to Settings >> Communication >> Select SingleNet >> Enter Modbus ID (2 for Singlenet) >> Export Hydraulic Model

Not secure	e 192.168.0.10/web	visu.htm					G @ ☆	
Gro	owSphere™ Netafim™	Farm	Mainline 1	Settings		Thu 13 Jul 2023 19:04:49	? 87	
命	Cont	figuration	Local I/O	Remote I/O	Communication	Wiring Diagra	am	
备	SingleN	et Allocation	RadioNet Allocation	NetRTU (GW) Allocation	Weather Station	Po	oleNet (Two-wire Host - connected) — 🗆 🗙	Modbus Setup X
٥°	RS-485 -	Serial port (port	1) Modbus ID	2 Jm Export H	lydraulic model	Start Allocati	PC Connection	Modbus Id: 2 OK
(NPK)	#ID	Name	Status				Two-wire Host	Conjunts Info Network: RS485
D							Monitor Advanced	Speed : 19200 Parity : None
Ŵ							Select control mode	Variant Rapid Comms 💌 Tx Delay : 4 (0-50 ms)
							Configure Controller Voltages	Check Live Comms
(_	About Firmware Exit	Error Timeout : 10 (0-600 secs) Report Errors science Letter 0 (0=0ff,1-256)
								Addressing Use Simple Linear Mapping
								Coil offset : 0 (0-783) Input offset : 0 (0-1039)
FM								C Use Non-Linear Mapping
** UI Inte	rface is subi	ect to change w	ith New Versions					Setup



After Successful " Export" >> Click Done

Û	A Not secu	re 192.168.0.10/web	ovisu.htm					G	@☆
L	Gr	owSphere [™]	Farm	Mainline 3	•	Preferences		hu 13 Jul 2023 17:56:25	(((•
		Con	figuration	Local I/O		Remote I/O	Communication	Wiring Diagram	
L	斋	SingleN	let Allocation	RadioNet Allocatio	n	NetRTU (GW) Allocation	Weather Station		
L	00	RS-485 -	Hydrauli - Seria	c model				art Allocation	
L	(NPK)	#ID	Na	aulic model successfully	expor	rted			
L	000								
L	Ţ						Done		
L									
	ক্টো								
L									
	FM								



Open "Polenet2Max" Application

Name	Date modified	Туре	Size
configuration.properties	11/15/2022 1:13 PM	PROPERTIES File	1 KB
D3DCompiler_47_cor3.dll	5/6/2022 8:46 PM	Application extens	4,031 KB
devices_types	11/10/2022 7:00 PM	JSON File	23 KB
🖾 illust58-1841	11/28/2022 5:35 PM	JPG File	1,468 KB
PenImc_cor3.dll	11/19/2022 11:16 PM	Application extens	143 KB
Polenet2Max	1/18/2023 2:32 PM	Application	155,001 KB
Polenet2Max.pdb	1/18/2023 2:31 PM	PDB File	50 KB
PresentationNative_cor3.dll	10/13/2022 11:46 PM	Application extens	924 KB
sni.dll	7/12/2017 4:54 PM	Application extens	134 KB
SQLite.Interop.dll	11/2/2021 11:17 PM	Application extens	1,343 KB
vcruntime140_cor3.dll	11/10/2022 8:04 AM	Application extens	89 KB
wpfgfx_cor3.dll	11/19/2022 11:18 PM	Application extens	1,763 KB

Select SingleNet





Total 128 Units 0 to 127, will be listed by default

Form1												- 🗆 X
	Lo	ad Hydraulic Model				Digital Outputs	;	Digital Inp	outs	Al+Ser	rial	Utilities
singlenet 🗸		Name	Unit Name	U.S.ID	Mapped	Main Line	Permete/Least	10.0.4	IO Address	Modbus	Modbus	Open Polenet
rer singiener 🔨		INdThe	Unit Indirie	Unitib	Device Type	Main Line	Remote/Local	IO Calu	TO Address	Address A	Address B	Auto Modbus Mapping
⊕ Unit 000 (000)												configuration
≝ Unit 001 (001) ⊕ Unit 002 (002)												
₽ Unit 002 (002) ₽ Unit 003 (003)												Load Previous System
⊞ Unit 004 (004)												
⊕ Unit 005 (005)												
⊞-Unit 006 (006) ⊕-Unit 007 (007)												
B Unit 008 (008)												
⊕ Unit 009 (009)												
⊪ Unit 010 (010)	<										>	
	-										-	
₩ UNC UI2 (UI2) 												
B Unit 014 (014)												
⊪ Unit 015 (015)												
⊡ Unit 016 (016)												
⊕ Unit 017 (017) □ Unit 019 (019)												
er 01ik 010 (010) ⊞·Unit 019 (019)												
□ Unit 020 (020)												
🗄 Unit 021 (021)												
⊕ Unit 022 (022)												
⊕ Unt 023 (023) ⊕ Unt 024 (024)												
⊕ Unit 026 (026) ✓												Save and Export



Connect to GS (In Pic Below it is via RUT240 xx Modem)

A Not secure 192.168.0.10/webvisu.htm	ie 🖈 🛊 🖬 😩
	Thu 12 Jan 2023 21:26:29
	RUT240_DF0A_GS01 Connected, secured
	We are re Netafim Corporate Wireless
NETAFIM ™	b Netbeat_00-30-D6-1E-21-93
	H Wavin Wireless Network
	Hidden Network
	Network & Internet settings Change settings, such as making a connection metered.





Click on "Load Hydraulic Model", Select Path sdcard >> RemoteSys >> Hydraulic Model.csv & Click on Open





Wait for Message "File loaded successfully", Click OK

🖷 Form1									– 0 X
	Load Hydraulic Model]		Digital Outputs	;	Digital Inputs	A	+ Serial	Utilities
singlenet ~	Name	Linit Nama	Unit ID	Mapped	Main Line	Permete/Lecol	IO Card	IO Address	Open Polenet
⊡- singlenet	IName	Onit Name	Unit ib	Device Type		Keniote/Local	io calu	IO Address	Auto Modbus Mapping
⊡ Unit 000 (000)									
⊕ Unit 001 (001)									configuration
⊞ Unt 002 (002)									Load Previous System
									,
⊕ Upit 005 (005)									
⊞ Unit 006 (006)									
⊞ Unit 007 (007)									
⊕ Unit 008 (008)									
⊕ Unit 009 (009)		_							
🖽 Unit 010 (010)		C	Ж	×					
🗄 Unit 011 (011)									
🗄 Unit 012 (012)	<							>	
⊕ Unit 013 (013)			File loa	aded successfully					
⊞ Unit 014 (014)									
⊕ Unit 015 (015)				OK					
⊕ Unit 016 (016)				OK					
Unit 01/ (01/) Unit 01/ (01/)									
⊞ Unit 018 (018)									
□ Unit 019 (019) □ □ Unit 019 (019)									
⊞ Unit 022 (022)									
Unit 023 (022) ■ Unit 023 (023)									
⊕ Unit 025 (025)									
⊕ Unit 026 (026)									
unit 027 (027)									
" Unit 029 (029) v									Save and Export



Digital Outputs / Inputs can be assigned by selecting relevant **Tabs**

Form1								-		– 0 ×
	Load H	ydraulic Model			Digital Outputs		Digital Inputs	Al+	Serial	Utilities
		1		1						Open Polenet
singlenet ~		Name	Unit Name	Unit ID	Mapped Device Type	Main Line	e Remote/Local	IO Card	IO Address	
singlenet ^		1								Auto Modbus Mapping
⊕ Unit 000 (000)										configuration
≝ Unt 001 (001)										
₩ Unit 002 (002)										Load Previous System
⊕ Unit 004 (004)										
. Unit 006 (006)										
🖶 Unit 007 (007)										
⊕ Unit 008 (008)										
⊕ Unit 009 (009)										
⊕ Unit 010 (010)										
	<								>	
Hnit 014 (014)										
⊞ Unit 015 (015)										
⊕ Unit 017 (017)										
🖶 Unit 018 (018)										
🗄 Unit 019 (019)										
🖶 🕀 Unit 020 (020)										
Enit 021 (021)										
⊞ Unit 022 (022)										
⊕ Unit 023 (023)										
⊕ Unit 020 (020) ⊕ Unit 027 (027)										
⊕ Unit 028 (028)										
										Save and Export



Click on "Digital Outputs" Tab, this will show DOs available on all RTUs.

	Load Hydraulic Me	odel				Digital Outputs		Digital Inp	uts		Al+Serial		Utilities
singlenet v					Modbus	Mapped		Device Type	Device	Nominal	Nominal	^	Open Polenet
Er singlenet	Name	Unit Name	IO Card	IO Address	Addresses	Device Type	Main Line	ID	Number	Area	Flow Rate		configuration
□ singlenet □- Unit 000 (000)	Sn Pump1	Unit 000	1	1	1125710		0	0	0	1	4		
□ 1-208	DO 0.2	Unit 000	1	2	2 258 0		0	0	0	0	0		Load Previous System
-1-DI DI 0.1	DO 1.1	Unit 001	1	1	3 259 0		0	0	0	0	0		
-2-DI DI 0.2	DO 1.2	Unit 001	1	2	4 260 0		0	0	0	0	0		
-1-DO DO 0.1	0021	Unit 002	1	1	5126110		0	0	0	0	0		
-2-DO DO 0.2	0023	Unit 002	1		6136310		0	0	0	0	0		
⊡ Unit 001 (001)	002.2	Unit 002	-	2	0 202 0		0	0	0	0	0		
□ 1-208	DO 3.1	Unit 003	1	1	7 263 0		0	0	0	0	0		
	DO 3.2	Unit 003	1	2	8 264 0		0	0	0	0	0		
- 2-DI DI 1.2	DO 4.1	Unit 004	1	1	9 265 0		0	0	0	0	0		
	DO 4.2	Unit 004	1	2	10 266 0		0	0	0	0	0		
₩ Unit 002 (002)	DO 5.1	Unit 005	1	1	11 267 0		0	0	0	0	0		
	00.52	Unit 005	1	2	12126810		0	0	0	0	0		
⊕ Unit 004 (004)	005.2	01112 0005	-	2	12 200 0		0	-	0		•	-	
🖶 Unit 005 (005)	DO 6.1	Unit 006	-	1	13 269 0		U	0	0	0	0		
🕀 Unit 006 (006)	DO 6.2	Unit 006	1	2	14 270 0		0	0	0	0	0		
🗄 Unit 007 (007)	DO 7.1	Unit 007	1	1	15 271 0		0	0	0	0	0		
🖶 Unit 008 (008)	DO 7.2	Unit 007	1	2	16 272 0		0	0	0	0	0		
	DO 8.1	Nnit 008	1	1	17 273 0		0	0	0	0	0		
		45										~	
⊕ Unt 011 (011)	Device Parameters			Select D	evice to Allocate	to this IO							
	IO lype	Digita	l Output	Valve 4						^			
B Unit 015 (015)	RTU	Unit 00	00	Valve 6									
		01110 00		Valve 7									
Unit 017 (017)	IO Number	1		Valve 9									
🕀 Unit 018 (018)				Valve 10									
🗄 Unit 019 (019)	Mainline	Main Lir	ne 1	Valve 11 Valve 12									
🖽 Unit 020 (020)	Dovice Name			Valve 13									
Enit 021 (021)	Device Marrie	Sn Pum	p1	Valve 14 Valve 15									
	Flow	4		Valve 16									
		-		Valve 17									
	Area	1		Valve 19									
	Eleve indicates			Valve 20									
Br Unit 027 (027)	Flow indicator			Valve 22									
	Unit			Valve 23									
Unit 029 (029)				Valve 24 Valve 25							Attach		
🗄 Unit 030 (030)	Card			Dosing c	hannel 1						Attach		
🕀 Unit 031 (031)	land d			Dosing c Dosing c	hannel 2 hannel 3								
🖶 Unit 032 (032)	input			 Dosing c 	hannel 4								
🖶 Unit 033 (033)		reset inc	lication	Dosing b Main yak	ooster 1 /e 1						Dettach		
Unit 034 (034)				Pump 1						¥			Save and Export
⊞ Unit 035 (035) ✓													





Click on any DO. This will open the window below, Enter details such as Mainline, Device Name, Flow, Area & Flow indicator.

Form1												_	- 0 ×
	Load Hydraulic	Model				Digital Outputs		Digital Ir	nputs		Al+Serial		Utilities
singlenet	✓ Name	Unit Name	Unit ID	Mapped	Main Line	Remote/Local	IO Card	IO Address	Modbus	Modbus Address P	Modbus	C ^	Open Polenet
⊡-singlenet	DO 0 1	Unit 000	000	Device type	0	4	1	1	Address A	257	Address C		Auto Modbus Mapping
■ Unit 000 (000)	0003	Unit 000	000		0	4	1	2	2	250	0		configuration
□ Unit 001 (001)	000.2	01112 000	000		0	4		2	2	250	-		configuration
E-1-208		Unit 001	001		U	4	1	1	3	259	U	0	Load Previous System
	DO 1.2	Unit 001	001		0	4	1	2	4	260	0	0	
	DO 2.1	Unit 002	002		0	4	1	1	5	261	0	0	
2-D0 D0 1.2	DO 2.2	Unit 002	002		0	4	1	2	6	262	0	0	
	DO 3.1	Unit 003	003		0	4	1	1	7	263	0	0	
🖶 Unit 003 (003)	DO 3.2	Unit 003	003		0	4	1	2	8	264	0	0	
⊞ Unit 004 (004)	DO 4.1	Unit 004	004		0	4	1	1	9	265	0	0	
■ Unit 005 (005)	DO 42	Unit 004	004		0	4	1	2	10	266	0		
•• Unit 006 (006) •• Unit 006 (006)	004.2	UL: DOG	004		-			2	10	200	0		
■ Unit 00/ (00/)	DO 5.1	Unit 005	005		0	4	1	1	11	267	0	0	
	DO 5.2	Unit 005	005		0	4	1	2	12	268	0	0	
	DO 6.1	Unit 006	006		0	4	1	1	13	269	0	0	
⊞ Unit 011 (011)	DO 6.2	Unit 006	006		0	4	1	2	14	270	0	0	
Unit 012 (012) ■ Unit 012 (012)	DO 7.1	Unit 007	007		0	4	1	1	15	271	0	0	
⊕ Unit 013 (013)	DO 7.2	Unit 007	007		0	4	1	2	16	272	0	0	
🖽 Unit 014 (014)	DO 91	Unit 009	000		0		1	-	17	272	0	- v	
👜 Unit 015 (015)	<	10000	1000			14				1775		>	
⊞ Unit 016 (016)	Device Parameters			Select I	Device to Allocat	e to this IO							
⊕ Unit 017 (017)					_								
	IO Type	Digita	al Output	Valve 1						^			
	DTII	Linit 0	01	Valve 2 Valve 3									
⊞ Unit 021 (021)	KIU	Onit o		Valve 4									
Unit 022 (022) ■ Unit 022 (022)	IO Number	1		Valve 5 Valve 6									
⊕ Unit 023 (023)				Valve 7									
🖶 Unit 024 (024)	Mainline	Main Li	ine 1	Valve 8 Valve 9									
⊪- Unit 025 (025)	Dovice Name			Valve 10									
⊪ Unit 026 (026)	Device Name	Sugar	Cane V1	Valve 11 Valve 12									
⊪ Unit 027 (027)	Flow	4		Valve 13									
		-		Valve 14 Valve 15									
	Area	1		Valve 16									
	Eleve indicator			Valve 17 Valve 19									
⊕ Unit 032 (032)	Flow Indicator			Valve 19									
	Unit	Unit 00	1	Valve 20									
⊕- Unit 034 (034)				Valve 22							Attach		
⊕- Unit 035 (035)	Card	1		Valve 23							Attach		
⊪ Unit 036 (036)	Input			Valve 24 Valve 25									
⊞- Unit 037 (037)	mput	1		Valve 26									
⊕ Unit 038 (038)		reset in	udication	Valve 27 Valve 28							Dettach		
⊪ Unit 039 (039)				Valve 29						~			Save and Export
	·												

Select Device to allocate IO. Enter Details Device Name, Flow and Area Click Attach

	Form1													- 0 ×
		Load Hydraulic Mo	del				Digital Outputs		Digital Inp	uts		AI+Serial		Utilities
	singlenet ~	Name	Unit Name	Unit ID	Mapped	Main Line	Remote/Local	IO Card	IO Address	Modbus	Modbus Address P	Modbus	C ^	Open Polenet
	□- singlenet ^	DO 0 1	Unit 000	000	Device type	0	4	1	1	Address A	257	Address C	0	Auto Modbus Mapping
		DO 0.1	Unit 000	000		0	4	1	2	2	258	0	-	configuration
	⊕ Unt 001 (001) ⊕ Unt 002 (002)	SugarCape V/1	Unit 001	001		0	4	1	1	2	250	0		comgatation
	⊞° Unit 002 (002) ⊞° Unit 003 (003)	DO 1 3	Unit 001	001		0	4	1	2	3	259	0		Load Previous System
	⊕ Unit 004 (004)	001.2	Unit UUT	001		0	4		2	4	260	0		
	⊕ Unit 005 (005)	002.1	Unit 002	002		0	4	1	1	2	201	0		
	⊕ Unit 006 (006)	DO 2.2	Unit 002	002		0	4	1	2	6	262	0	0	
	Unit 007 (007) Unit 009 (009)	DO 3.1	Unit 003	003		0	4	1	1	7	263	0	0	
	tin Unit 008 (008)	DO 3.2	Unit 003	003		0	4	1	2	8	264	0	0	
	⊞ Unit 010 (010)	DO 4.1	Unit 004	004		0	4	1	1	9	265	0	0	
	⊕ Unit 011 (011)	DO 4.2	Unit 004	004		0	4	1	2	10	266	0	0	
		DO 5.1	Unit 005	005		0	4	1	1	11	267	0	0	
	🖽 Unit 013 (013)	DO 5.2	Unit 005	005		0	4	1	2	12	268	0	0	
	⊕ Unit 014 (014)	DO 6.1	Unit 006	006		0	4	1	1	13	269	0	0	
	⊕ Unit 015 (015)	DO 6.2	Unit 006	006		0	4	1	2	14	270	0	0	
	⊞° UNIL U10 (U10) ⊞∘ Unit 017 (017)	DO 7.1	Unit 007	007		0	4	1	1	15	271	0	0	
	unit 018 (018)	00.72	Unit 007	007		0		1	2	16	272	0	-	
		00 9.1	Unit 009	009		0	4	1	1	17	272	0	- v	
	🕀 Unit 020 (020)	<		1100							1773		>	
	⊕ Unit 021 (021)	Device Parameters			Select De	evice to Allocate	to this IO							
	te ⁻ Unit 022 (022)													
	™ Unit 023 (023) ⊞ Unit 024 (024)	IO lype	Digita	l Output	Valve 1 Valve 2						^			
Device Name & *	Unit 025 (025)	RTU	Unit 0	01	Valve 3									
Deteile	unit 026 (026)				Valve 4 Valve 5									
Details	🕀 Unit 027 (027)	IO Number	1		Valve 6									
	⊕ Unit 028 (028)	Mainima			Valve 7 Valve 8									
	⊞ Unit 029 (029)	ividinini e	Main Li	ne I	Valve 9									
	₩ Unit 031 (031)	Device Name	SugarC	ane V1	Valve 10 Valve 11									
Elow Indicator					Valve 12									
Flow mulcator .		FIOW	4		Valve 13 Valve 14									
Soloct Unit and	🕀 Unit 034 (034)	Area	1		Valve 15 Valve 16									
Select Offit and	⊕ Unit 035 (035)				Valve 17									
Input to which it	B Unit 036 (036)	Flow indicator			Valve 18 Valve 19									
	⊞ Unit 038 (038)	Unit	1144 001		Valve 20									
is connected	⊕ Unit 039 (039)		Unit UU	I	Valve 21 Valve 22							Attach		
		Card	1		Valve 23							Attach		
	🖶 Unit 041 (041)	Input			Valve 24 Valve 25									
	⊕ Unit 042 (042)		1		Valve 26									
	₩° UNIC 043 (043) ₩° Unit 044 (044)		reset inc	dication	Valve 28							Dettach		
	⊕ Unit 045 (045) ✓				Valve 29						×			Save and Export
Device Name & " Details Flow Indicator : Select Unit and Input to which it is connected	 □ Unit 023 (023) □ Unit 024 (024) □ Unit 025 (025) □ Unit 026 (026) □ Unit 026 (026) □ Unit 028 (028) □ Unit 030 (030) □ Unit 031 (031) □ Unit 032 (032) □ Unit 032 (032) □ Unit 034 (034) □ Unit 035 (035) □ Unit 036 (036) □ Unit 037 (037) □ Unit 038 (038) □ Unit 038 (038) □ Unit 039 (039) □ Unit 041 (041) □ Unit 043 (043) □ Unit 043 (043) □ Unit 045 (045) × 	IO Type RTU IO Number Mainime Device Name Flow Area Flow indicator Unit Card Input	Digita Unit Of Main Lin SugarC 4 1 Unit 001 1 1 1 1 reset ind	al Output D1	Valve 1 Valve 2 Valve 3 Valve 4 Valve 5 Valve 6 Valve 7 Valve 11 Valve 11 Valve 12 Valve 13 Valve 14 Valve 15 Valve 16 Valve 17 Valve 18 Valve 19 Valve 19 Valve 10 Valve 12 Valve 23 Valve 23 Valve 23 Valve 23 Valve 24 Valve 23 Valve 24 Valve 25 Valve 26 Valve 27 Valve 28 Valve 29 Valve 28 Valve 28 Valve 29						×	Attach Dettach		Save and Expo



A Prompt message will appear, click Yes

		Load Hydraulic Model				Digital	Outputs		Digital Inputs		Al+Serial		Utilities
alenet					Mapped	-				Modhus	Modbus	Modhus 🛆	Open Polenet
		Name	Unit Name	Unit ID	Device Type	Main Line	Remote/Local	IO Card	IO Address	Address A	Address B	Address (Auto Modbus Mapping
· singlenet		Pump 1	Unit 000	000		0	4	1	1	1	257	0	
		MV 1	Unit 000	000		0	4	1	2	2	258	0	configuration
		SugarCane V1	Unit 001	001		0	4	1	1	3	259	0	
⊕ Unit 003 (003)		DO 12	Unit 001	001		0	4	1	2	4	260	0	Load Previous System
■ Unit 004 (004)		0011	11-2-002	002		0	-	1	1	-	260	0	
unit 005 (005)		002.1	Unit 002	002		U	4	1	1	2	201		
unit 006 (006)		DO 2.2	Unit 002	002		0	4	1	2	6	262	0	
🗄 Unit 007 (007)		DO 3.1	Unit 003	003		0	4	1	1	7	263	0	
🗄 Unit 008 (008)		Pump 1	Unit 003	003		0	4	1	2	8	264	0	
Unit 009 (009)		DO 4.1	Unit 004	004		0	4	1	1	9	265	0	
⊡ Unit 010 (010)		DO 42	Unit 004	004		0	4	1	2	10	266	0	
Unit 011 (011)		004.2	01111 004	004		0	4	-	2	10	200	-	
Unit 012 (012)		DO 5.1	Unit 005	005	Atach		4	1	1	11	267	0	
Unit 013 (013)		DO 5.2	Unit 005	005			4	1	2	12	268	0	
		DO 6.1	Unit 006	006			4	1	1	13	269	0	
m Unit 015 (015)		DO 6.2	Unit 006	006	Attach valve i to Dig	ItalOutput	4	1	2	14	270	0 4	
© Unic 010 (010)	<	I		1			1	1	1		1	>	
■ Unit 012 (012)	Dev	ice Parameters			<u>Y</u> es	No	10						
■ Unit 019 (019)						·'							
Unit 020 (020)	IO	Гуре	Digital Outp	out	Valve 1					^			
■ Unit 021 (021)	RTU	1	Unit 001		Valve 2 Valve 3								
⊞ Unit 022 (022)					Valve 4								
🖽 Unit 023 (023)	101	Number	1		Valve 5								
Unit 024 (024)	Mai	inline	Main Line 1		Valve 7								
⊕ Unit 025 (025)			Them enter		Valve 8								
🗄 Unit 026 (026)	Dev	vice Name	SugarCane V1		Valve 9 Valve 10								
🖶 Unit 027 (027)	Flov	v	4		Valve 11								
🗉 Unit 028 (028)			-		Valve 12								
⊪ Unit 029 (029)	Are	а	1		Valve 14								
⊞ Unit 030 (030)	Flov	v indicator			Valve 15								
• Unit 031 (031)	11				Valve 16 Valve 17								
•• Unt 032 (032)	Unit		Unit 001		Valve 18								
Unit 033 (033) Unit 034 (034)	Card	l .	1		Valve 19						Attao	n	
Unit 034 (034)			-		Valve 20 Valve 21								
₩ Unit 035 (035)	Inpu	i.	1		✓ Valve 22								
unt 036 (036)			and the strength of the		Valve 23						Dette	ch	



Device will be mapped to Output on RTU & will be displayed in table

Form1													- 🗆 X
		Load Hydraulic Model				Digital	Outputs		Digital Inputs		Al+Serial		Utilities
singlenet					Mapped		-			Modbus	Modbus	Modbus ^	Open Polenet
		Name	Unit Name	Unit ID	Device Type	Main Line	Remote/Local	IO Card	IO Address	Address A	Address B	Address (Auto Modbus Mapping
		Pump 1	Unit 000	000		0	4	1	1	1	257	0	
B Unit 001 (001)		MV 1	Unit 000	000		0	4	1	2	2	258	0	configuration
□ 1-208		SugarCane V1	Unit 001	001	Valve 1	1	4	1	1	3	515	0	
- 1-DI DI 1.1		Banana V2	Unit 001	001		0	4	1	2	4	260	0	Load Previous System
		DO 3.1	Unit 007	002		0			-		200	0	
- 1-DO SugarCane V1		002.1	Unit 002	002		U	4		1	5	201	0	
		DO 2.2	Unit 002	002		0	4	1	2	6	262	0	
🖕 Unit 002 (002)		DO 3.1	Unit 003	003		0	4	1	1	7	263	0	
□ 1-208		D0 3.2	Unit 003	003		0	4	1	2	8	264	0	
- 1-DI DI 2.1		DO 4.1	Unit 004	004		0	4	1	1	9	265	0	
		DO 42	Linit 004	004		0	4	1	2	10	266	0	
-1-DO DO 2.1		004.2	01111 004	004		0	-	-	-	10	200	•	
- 2-DO DO 2.2		DO 5.1	Unit 005	005		0	4	1	1	11	267	0	
⊟ Unit 003 (003)		DO 5.2	Unit 005	005		0	4	1	2	12	268	0	
		DO 6.1	Unit 006	006		0	4	1	1	13	269	0	
		DO 6.2	Unit 006	006		0	4	1	2	14	270	0 ~	
	<		1			1	1	1	1	I	1	>	
2-DO Pump 1	Dev	ice Parameters			Select Device t	o Allocate to thi	s10						
2-00 Famp I ⊟-Unit 004 (004)		ice i arametero			beleet bettee t	o / module to th							
<u> </u>	IO T	ype	Digital Outp	out	Valve 2					^			
- 1-DI DI 4.1	RTU		Unit 001		Valve 3 Valve 4								
- 2-DI DI 4.2					Valve 5								
		lumber	2		Valve 6								
	Mai	nline	Main Line 1		Valve 7								
⊕ Unit 005 (005)			Main Enter		Valve 9								
🖶 Unit 006 (006)	Dev	ice Name	Banana V2		Valve 10 Valve 11								
🖶 Unit 007 (007)	Flow	/	4		Valve 12								
🖶 Unit 008 (008)			4		Valve 13								
⊕ Unit 009 (009)	Area	a	1		Valve 14 Valve 15								
⊞ Unit 010 (010)	Flow	v indicator			Valve 16								
⊞ Unit 011 (011)	1				Valve 17 Valve 18								
⊞ Unit 012 (012)	Unit		Unit 001		Valve 19								
Unit 013 (013)	Card		1		Valve 20						Attac	n	
					Valve 22								
	Input	L	2		Valve 23								
B Unt 015 (015)			reset indication		Valve 24						Detta	ch	
바 UNIL U1/ (U1/)	~				valve 20					*			Save and Export

In Digital Inputs Details of flow Indicator assigned to DO can be seen here

🖷 Form1												- D >
		Load Hydraulic Model				Digital Outputs		Digital Input	s	Al+Seria	l i	Utilities
singlenet	~	Name	Unit Name	IO Card	IO Address	Modbus	Mapped	Main Line	Device Type	Device	Pulse ^	Open Polenet
□- singlenet	<u>^</u>	C. WAR		io card	10 Address	Addresses	Device Type		ID	Number	P disc	configuration
□ Unit 000 (000)		DL0.2	Unit 000	1	2	49 49 305		0	0	0	0	Load Dravious System
□ 1-208		Elow indicator 1	Unit 000	1	1	51 51 207	Elow indicator 1		21	1	0	Edad Previous System
- 2-DI DI 0.2		Flow indicator 2	Unit 001	1	2	52 52 308	Flow indicator 2		31	2	0	
1-DO Sn Pump1		DL2.1	Unit 002	1	1	53 53 309	How malcator 2	0	0	0	0	
- 2-DO DO 0.2		DI 2.2	Unit 002	1	2	54 54 310		0	0	0	0	
		DI 3.1	Unit 003	1	1	55 55 311		0	0	0	0	
-1-DI DI 1.1		DI 3.2	Unit 003	1	2	56 56 312		0	0	0	0	
-2-DI DI 1.2		DI 4.1	Unit 004	1	1	57 57 313		0	0	0	0	
-1-D0 D0 1.1		DI 4.2	Unit 004	1	2	58 58 314		0	0	0	0	
		DI 5.1	Unit 005	1	1	59 59 315		0	0	0	0	
		DI 5.2	Unit 005	1	2	60 60 316		0	0	0	0 0	
■ Unit 004 (004)	<		1	1		1	1	1			>	
Unit 005 (005) Unit 005 (006)												
er Unit 007 (007)												
■ Unit 008 (008)				Ν								
⊪ Unit 009 (009)				63								
Unit 010 (010) Unit 011 (011)												
Unit 013 (013)												
🗉 Unit 014 (014)												
■ Unit 015 (015)												
Unit 016 (016) Unit 017 (017)												
B Unit 019 (019) B Unit 019 (019)												
Unit 020 (020)												
Unit 021 (021)												
🖶 Unit 022 (022)												Course of Function
🖶 Unit 023 (023)	¥											Save and Export

NOTE : Pl. note that Flow Indicator Input is not to be defined in GrowSphere Hydraulic Configuration anywhere. It is only to "confirm", the Valve is OPEN & there is flow. On GrowSphere >> Remote Valves, it will show "P" This facility is only for Valves on RTU

Continue mapping all Digital Outputs are connected to RTU

• Form1												– 🗆 X
	Loa	ad Hydraulic Model				Digital Outputs		Digital Inputs		Al+Serial		Utilities
singlenet V						Modbus	Manned	-	Device Type	Device	Nom 0	Open Polenet
	1	Name	Unit Name	IO Card	IO Address	Addresses	Device Type	Main Line	ID	Number	Area	configuration
i⇒ singlenet	►	Sn Pump1	Unit 000	1	1	1 257 0	Pump 1	1	3	1	1	
□ □ 1-208		SnMV1	Unit 000	1	2	2 258 0	Main valve 1	1	2	1	0	Load Previous System
		SugarCane V1	Unit 001	1	1	3 515 0	Valve 1	1	1	1	1	
2-DI DI 0.2		Banana V2	Unit 001	1	2	4 516 0	Valve 2	1	1	2	1	
		Pomo V2	Unit 002	1	1	5 261 0	Valve 3	1	1	3	1	
- 2-DO SnMV1		Ginger V4	Unit 002	1	2	6126210	Valve 4	1	1	4	1	
		Custard V5	Unit 003	1	- 1	7126310	Value 5	1	1	5	1	
		Papaga D	- hit 002	1	2	9126310	Valve 6	1	1	6	1	
⊕ Unit 004 (004)		Banana Banana V	/6 pit 003	1	2	8 204 0		4		0	<u> </u>	
unit 005 (005)		Sugarcante V7	Unit 004	1	1	9 265 0	Valve 7	1	1	7	1	
□ Unit 006 (006)		Pomo V8	Unit 004	1	2	10 266 0	Valve 8	1	1	8	1	
ian 1-208		Custard V9	Unit 005	1	1	11 267 0	Valve 9	1	1	9	1	
		Ginger V10	Unit 005	1	2	12 268 0	Valve 10	1	1	10	1	
		Pomo V11	Unit 006	1	1	13 269 0	Valve 11	1	1	11	1	Í
		Veg V12	Unit 006	1	2	14 270 0	Valve 12	1	1	12	1 🗸	
⊞ Unit 007 (007)	<		1			1	1 2			!	>	
⊕ Unit 008 (008)	Device	Parameters			Select Device to	Allocate to this I	D					
										_		
🖶 Unit 010 (010)	IO Type	•	Digital Out	put	Valve 13							
🖶 Unit 011 (011)	RTU		Unit 000		Valve 15							
⊞ Unit 012 (012)					Valve 16							
⊞ Unit 013 (013)	IO Num	nber	1		Valve 17 Valve 18							
Unit 014 (014)	Mainlin	e	Main Line 1	~	Valve 19							
					Valve 20 Valve 21							
	Device I	Name	Sn Pump1		Valve 22							
	Flow		4		Valve 23							
			-		Valve 25							
	Area		1		Dosing channel 1							
	Flow inc	dicator			Dosing channel 2 Dosing channel 3							
⊕ Unit 022 (022)					Dosing channel 4							
⊕ Unit 023 (023)	Unit			\sim	Dosing booster 1							
	Card	Card								Attach	n	
🗄 Unit 025 (025)												
⊞ Unit 026 (026)	Input	put										
🖻 Unit 027 (027)		reset indication								Dettac	h	
⊕ Unit 028 (028) ✓												Save and Export



If there are Digital Input on RTU, Click on relevant Tab to assign it.

Form1												– 🗆 X
	Loa	ad Hydraulic Model				Digital Outputs		Digital Inputs		Al+Serial		Utilities
singlenet ×						Modbus	Manned		Device Type	Device	^	Open Polenet
		Name	Unit Name	IO Card	IO Address	Addresses	Device Type	Main Line	ID	Number	Pulse	configuration
		SnWMter	Unit 000	1	1	49 49 305		0	0	0	10	
⊞ Unit 001 (001)		DI 0.2	Unit 000	1	2	50 50 306		0	0	0	0	Load Previous System
Unit 002 (002)		Flow indicator 1	Unit 001	1	1	51 51 307	Flow indicator 1	1	31	1	0	
🖳 Unit 003 (003)		Flow indicator 2	Unit 001	31	2	52 52 308	Flow indicator 2	1	31	2	0	
⊞ Unit 004 (004)		DI 2.1	Unit 002	1	1	53 53 309		0	0	0	0	
⊕ Unit 005 (005)		DI 2.2	Unit 002	1	2	54 54 310		0	0	0	0	
E Upit 005 (005)		DI 2.1	Unit 002	1	1	551551211		0	0	0	0	
		013.1	U-3.003	1	2	551551311		0	0	0	0	
		DI 3.2	Unit UUS		2	20 20 212		0	U	0	0	
🕀 Unit 010 (010)		DI 4.1	Unit 004	1	1	57 57 313		0	0	0	0	
🖳 🛱 Unit 011 (011)		DI 4.2	Unit 004	1	2	58 58 314		0	0	0	0	
🗉 Unit 012 (012)		DI 5.1	Unit 005	1	1	59 59 315		0	0	0	0	
🗄 Unit 013 (013)		DI 5.2	Unit 005	1	2	60 60 316		0	0	0	0	
⊕ Unit 014 (014)		DI 6.1	Unit 006	1	1	61 61 317		0	0	0	0	
		DI 6.2	Unit 006	1	2	621621318		0	0	0	0	
	<				-	021021010		-			~ ×	
■ Unit 017 (017) ■ Unit 018 (018)	Device P	larameters			Select Device to	Allegate to this IO						
	Device P	arameters			Select Device to	Allocate to this IO	,					
. Unit 021 (021)	IO lype		Digital Inp	out	Pump Overload 1							
🗄 Unit 022 (022)					Dosing Meter 1							
🗄 Unit 023 (023)	RTU		Unit 000		Dosing Meter 2							
🗄 Unit 024 (024)					Dosing pressure sw	itch 1						
	IO Num	ber	1		Dosing booster pro	tection 1						
Init 026 (026)												
	Mainline		Main Line 1									
• Unit 028 (028)			Main Line 1	Ť								
□ Unit 029 (029)	Devices	1										
	Device in	vame	SnWMter									
	Pulse Ra	te	10									
Lipit 024 (024)												
⊕ Unit 035 (035)										Attach		
⊕ Unit 036 (036)										Attach		
🖶 Unit 037 (037)										Dotte-sh		
⊕ Unit 038 (038) ↓									[Dettach		Save and Export



Click Digital Inputs Tab and proceed to add Digital Input, select Mainline, enter Device name etc, and click Attach Device Name (ex.SnWmtr1 here and associated with DI)

- Form1												- 🗆 X
	Loa	d Hydraulic Model				Digital Outputs		Digital Inputs		Al+Serial		Utilities
								- · J · · · · · · · · · · · · · · · · ·				Open Polenet
singlenet V		Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Type ID	Device Number	Pulse	configuration
□ □· singlenet	•	SnWMter	Unit 000	1		49 49 305		0			10	configuration
		DI 0.2	Unit 000	1	2	50 50 306		0	0	0	0	Load Previous System
■ Unit 002 (002)		Flow indicator 1	Unit 001	1	1	511511307	Flow indicator 1	1	31	1	0	
		Elow indicator 2	Unit 001	1	2	52 52 208	Elow indicator 2	1	21	2	0	
⊕ Unit 004 (004)		Plot				52 52 500	Tiow marcator 2	-			-	
		DI 2.1	Unit 002	1	1	53 53 309		0	0	U	0	
⊕ Unit 006 (006)		DI 2.2	Unit 002	1	2	54 54 310		0	0	0	0	
🖶 Unit 007 (007)		DI 3.1	Unit 003	1	1	55 55 311		0	0	0	0	
🗄 Unit 008 (008)		DI 3.2	Unit 003	1	2	56 56 312		0	0	0	0	
⊕ Unit 009 (009)		DI 4.1	Unit 004	1	1	57 57 313		0	0	0	0	
⊕ Unit 010 (010)		DI 4 2	Unit 004	1	2	581581314		0	0	0	0	
Unit 011 (011)		DIG	0111 004		-	501501514		•	•	-	-	
		DIST	Unit 005	1		29 29 312		U	0	0	0	
Unit 013 (013)		DI 5.2	Unit 005	1	2	60 60 316		0	0	0	0	
B Unit 015 (015)		DI 6.1	Unit 006	1	1	61 61 317		0	0	0	0	
		DI 6.2	Unit 006	1	2	62 62 318		0	0	0	0 🗸	
	<	1		1	_			1	1		>	
	Device P	arameters			Atach		×					
Unit 019 (019)	Device	arameters	N									
🖶 Unit 020 (020)	10.7		63		Attach Pump Or	verload 1 To DigitalIn	put?					
⊕ Unit 021 (021)	IO Iype		Digital Inpl	π	F U V 7=							
⊕ Unit 022 (022)					Lo	Yes N	lo					
. Unit 023 (023)	RTU		Unit 000									
🗄 Unit 024 (024)					Dosing pressure swit	tch 1						
	IO Numb	ber	1		Dosing booster prot	ection 1						
Unit 027 (027)	Mainline		Main Line 1									
				Ť								
	Device N	ame										
	Device IV	unic	SnWMter									
	Pulse Rat	te	10									
										Attach		
⊕ Unit 036 (036)										Attach		
unit 037 (037)												
🖶 Unit 038 (038)										Dettach		Save and Export



After all I/O devices are assigned, Click "Save and Export ". A message will Appear "Saved to CSV". Click OK

Form1													- B X
		Load Hydraulic Mo	del				Digital Outputs		Digital Inp	uts		Al+Serial	Utilities
singlenet	2	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Type ID	Device Number	Pulse Factor	^	Open Polenet
🖻 singlenet 🗠		SnWMter	Unit 000	1	1	49 49 305		0	0	0	10		configuration
⊕- Unit 000 (000)		DL0.2	U.a.t. 000	1	2	50 50 305		0	0	0	0		Load Day issue Custom
🖶 Unit 001 (001)		DI 0.2	Unit 000	1	2	301 30 1 300		U	0	0	U	_	Load Previous System
🖶 Unit 002 (002)		Flow indicator 1	Unit 001	1	1	51 51 307	Flow indicator 1	1	31	1	0		
⊕-Unit 003 (003)		Flow indicator 2	Unit 001	1	2	52 52 308	Flow indicator 2	1	31	2	0		
		DI 2.1	Unit 002	1	1	53 53 309		0	0	0	0		
		DI 2 2	Lipit 002	1	2	541541310		0	0	0	0		
		012.2	01111 002		<u>د</u>	541541510			-	•		-	
Unit 007 (007)		DI 3.1	Unit 003	1	1	55 55 311		0	0	0	0	_	
⊕ Unit 008 (008)		DI 3.2	Unit 003	1	2	56 56 312		0	0	0	0		
Unit 009 (009)		DI 4.1	Unit 004	1	1	57 57 313		0	0	0	0		
		DI 4.2	Unit 004	1	2	581581314		0	0	0	0		
		DI C 1			-	501501315		•	•	•	•	_	
		015.1	Unit UUS	1	1	29 29 21 21 2		U	0	0	0		
B Unit 013 (013)		DI 5.2	Unit 005	1	2	60 60 316		0	0	0	0		
		DI 6.1	Unit 006	1	1	61 61 317		0	0	0	0		
		DI 6.2	Unit 006	1	2	62 62 318		0	0	0	0		
		DI 7 1	Linit 007	1	1	62 62 210		0	0	0	0		
		017.1	01111 007		ок	×		•	-	•	-	-	
		DI 7.2	Unit 007	1	2			0	0	0	0		
		DI 8.1	Unit 008	1	1			0	0	0	0		
Hint 020 (020) Hint 021 (021)						Saved To CSV						·	
	Dev	ice Parameters					this IO						
⊕ Unit 022 (022)													
⊕ Unit 024 (024)		-	Digital	Innut		ОК							
⊕ Unit 025 (025)		ype	Digital	mpar	Water m	eter I	_						
Hunt 026 (026)					Dosing I	Aeter 1							
	RTU		Unit 000)	Dosing	Aeter 2							
⊕ Unit 028 (028)					Dosing	pressure switch 1							
⊞-Unit 029 (029)					Dosing	ooster protection 1							
⊕ Unit 030 (030)		Number	1										
Unit 031 (031)													
🖶 Unit 032 (032)	Mai	nline	Main Line	-									
- Unit 033 (033)			Iviain Line	au									
unit 034 (034)													
🖶 Unit 035 (035)	Dev	ice Name	SnWMter	r									
Unit 036 (036)				-									
unit 037 (037)	1.												
- Unit 038 (038)	Puls	ie Kate	10										
unit 039 (039)													
🖶 Unit 040 (040)													
Unit 041 (041)												Attach	
⊕ Unit 042 (042)													
⊕ Unit 043 (043)													
🖶 Unit 044 (044)												Dettach	Save and Evenet
													Save and Export



Go to GrowSphere Settings screen, under "Communication" select "SingleNet Allocation" and click on "Start Allocation"

A Not secu	ıre 192.168.0.10/web	ovisu.htm					G 🖻 🛧
Gr	owSphere™ ™	Farm	Mainline 3	-	Preferences	4	Thu 13 Jul 2023 17:59:32
命	Con	figuration	Local 1	I/O	Remote I/O	Communication	n Wiring Diagram
备	SingleN	let Alloqરૂtion	RadioNet A	llocation	NetRTU (GW) Allocation	Weather Station	n
00	RS-485 ·	- Serial port (port	: 1)	Modbus ID	2 Expor	t Hydraulic model	Start Allocation
(NPK)	#ID	Name	Status	Verif	y Modbus Id Entered in Polenet	,	
Þ							
Ŵ							
(
FM	<						

** UI Interface is subject to change with New Versions

Confirm all CSV files are detected. Click on "Overwrite existing devices"

A Not secur	re 192.168.0.10/web	visu.htm						G 🖻	☆
Gree	owSphere™ Netafim™	Farm	Mainline 1	-	Settings	Δ	SD Th	u 13 Jul 2023 18:08:03	((c. 79
命	Conf	iguration	Local I/O		Remote I/O	Communicatio	n	Wiring Diagram	
备	SingleNe	et Allocation SingleNe	RadioNet Allocatio	n	NetRTLL (GW) Allocation	Weather Station	1		
00	RS-485 -	Seria Files D	etect :					art Allocation	
(NPK)	#ID	Nai 🕑 D	I CSV file	DO CS	SV file 🕢 Info C	CSV file			
p _{oo} o		0	Add to existing devices	00	⊳ Dverwrite existing devices				
Ţ				L					
					Canc	Allocate			
FM									



After allocation process , all devices successfully added. Click on "Go to Remote I/O Tab"

A Not secur	e 192.168.0.10/web	ovisu.htm				G	@ ☆			
Gree	owSphere" Netafim"	Farm	Mainline 1 🛛 🔻	Settings		ı 13 Jul 2023 18:30:59	<u>ج</u> ۶۹			
命	Con	figuration	Local I/O	Remote I/O	Communication	Wiring Diagram				
备	SingleN	let Allocation Allocatio	RadioNet Allocation	NetRTLL (GW) Allocation	Weather Station					
00	RS-485 -	- Seria 36 de	evices have been successfu	ly added!		Unassign				
NPK Do	#ID 0	Nai 1 uni Ho Ignore this	1 Unallocated devices for Flow Indicator	****						
	1	Un Unit002	Connected	Go to Remote I/	O tab Done			Flow In	dicator v	will always
	3	Unit003	Connected	**************************************				SNOW	as Una	located
	4	Unit004	Connected		Not secure 192.168.0.10 GrowSphere by, NTEATMAR	· Farm All Mainli	nes 🔹	 Settings 	🚹 🐻 Thu	6 🖻 🖈 🗭 🖬 1 13 Jul 2023 18:45:14 🔶
	5	Unit005	Connected		·····	onfiguration L	ocal I/O	Remote I/O	Communication	24 Wiring Diagram
FM	6	unituu6 age 1 of page 2	2 >		CO CO CO Remote CO RTU 1	digital output Remote digit Card IO IO 1 1 DI	al input R	temote analog input <u>Unalloca</u> ype NO. Source Assign 1 M.Line1	Name Una Flowindi Flo	illocated device type

** UI Interface is subject to change with New Versions



Check All devices (Host / RTUs) appear under Singlenet Allocation tab as below

A Not secure	192.168.0.10/we	ovisu.htm						G 🖻 🌣				
Gro	wSphere™ ■	Farm	Mainline 1	Settings			nu 13 Jul 2023 18:48:0	00 ?				
습	Con	figuration	Local I/O	Remote I/O	Communic	ation	Wiring Dia	gram				
斋	Single	let Allocation	RadioNet Allocation	NetRTU (GW) Allocation	Weather St	ation						
0°	RS-485	- Serial port (port	1) Modbus ID	2 Export Hydr	aulic model		Unassign					
(NPK)	#ID	Name	Status 🍃		A Not secu	re 192.168.0.10/we	ebvisu.htm	-				G 년 ☆
Þ	0	Host unit	Connected		Gr	owSphere™ NETAFIM™	Farm	Mainline 1	•	Settings		Thu 13 Jul 2023 18:49:50
000	0	Unit000	Disconnected			Cor	figuration	Local I	10	Pemote I/O	Communication	Wiring Diagram
<u> </u>	1	Unit001	Connected		山	COI	inguration		0	Remote 1/0		
	2	Unit002	Connected		品	Single	Net Allocation	RadioNet All	location	NetRTU (GW) Allocation	Weather Station	
	3	Unit003	Connected		_^0	PS-485	- Serial port (port	1)	Modbus ID	2 Export	Hydraulic model	Unassign
(63)	4	Unit004	Connected		-	105 105	Schar port (port	-)	HOUDUS ID			Chassign
	5	Unit005	Connected		(NPK)	#ID	Name	Status				
	6	Unit006	Connected		P	7	Unit007					
FM	< p	age 1 of page 2			\wedge	8	Unit008	Connected				
						9	Unit009	Connected				
						10	Unit011	Connected				
					63	12	Unit012	Connected				
						13	Unit013	Connected				
					L							
					FM	< p	age 2 of page 2					

Check all I/O s are allocated

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Gr	owSphere™ netafim⁻	Farm		A	ll Mainlines		 Settings 				Thu 13 Jul	2023 18	8:51:04							
命	Conf	ifigurai	ion		Local I/C	þ	Rer	note I/O	Com	munication		Wiring	Diagram							
备	Remote di	igital c	utput	Ren	note digital input	: F	Remote analog ir	iput Unallo	cated devices											
00	RTU	6	ard IC	D D	evice type	NO	Source	Name	Flow A Not secur	Ar e 192.168.0.10/web	ea (ha) ovisu.htm	Assigr	ed	-					G	€ ☆
(NPK)	0	:	. 1	F	Pump] 1	M.Line1	SnPMP1	Gro	owSphere"	Farm		All Mainlines		Settings		A	SD Thu 13	Jul 2023 18:52:26	((:
Þ	0	:	. 2	1	MainValve] 1	M.Line1	SnMV1		Con	figuration		Local I/O		Remo	ote I/O	Communication		Wiring Diagram	84
Â	1 1 1 Valve 1 M.Line1 SnV 1 1 2 Valve 2 M.Line1 SnV							SnV1				. Г	· · · · · · · · · · · · · · · · · · ·						5 5	
	1	1 2 Valve 2 M.Line1 SnV2					SnV2	Å	Remote di	gital outpu		Remote digital input	Re	Source	Name		Pate	Assigned		
	2	:	. 1	Ń	Valve	3	M.Line1	SnV3	00	0	1	10	Water Meter	1	Milipol			20.00		
(193)	2	:	. 2	Ń	Valve	4	M.Line1	SnV4	(NPK)	U	1	1		L	M.LINEI	SHWMIRI		30.00	Unassign	
	3	:	. 1	\ \	Valve	5	M.Line1	SnV5	50	11	1	1	Dosing Pressure S 1	1	M.Line1	SnDpSw1	NO V		Unassign	
FM			< pag	ge 1 of	f page 4	>			Ŵ	11	1	2	Dosing Booster Pro 1	1	M.Line1	SnDBprot	NO 🔻]	Unassign	
				-						12	1	1	Pump Overload 1	1	M.Line1	SnPmpOvl	NO 🔻]	Unassign	
										12	1	2	Dosing Meter 1	1	M.Line1	SnDM1	LPP	1.00	Unassign	
										13	1	1	Dosing Meter 2	2	M.Line1	SnDM2	LPP	1.00	Unassign	
										13	1	2	Dosing Meter 3	3	M.Line1	SnDM3	LPP	1.00	Unassign	

To test , Click on Valve, Select Manual - On >> "M"(Manual) & "P"(Pending) will appear. "P" will disappear and Valve will turn Green when Status Changes to ON in PoleNet





To close Valve from UI, click the Valve & Select Auto >> You can see the Valve Status disappears in Polenet and Valve In UI turns Black



Note:If "**Manual – Off**" is chosen, Valve will not open in AUTO mode. Need to Select "**AUTO**" to make it active. "**M**" against the Valve is the indication of Manual operation.









