


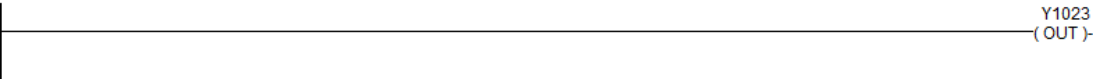
## Main program:WaterPump

Local bits / Local registers

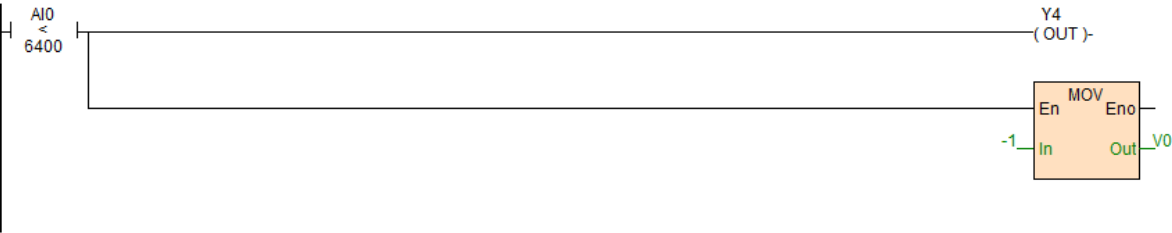
Component	Read	Write	Used component by instruction(R/W)	Component comments
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File	PGB:WaterPump	Project name	Water Pump PoC (AquaLink Project)		<a href="http://en.haiwell.com/">http://en.haiwell.com/</a> iamen Haiwell Technology Co., Ltd
Designer	Fabio	User name	Fábio Pereira		
Date	06/02/2022 20:28:25	Company			
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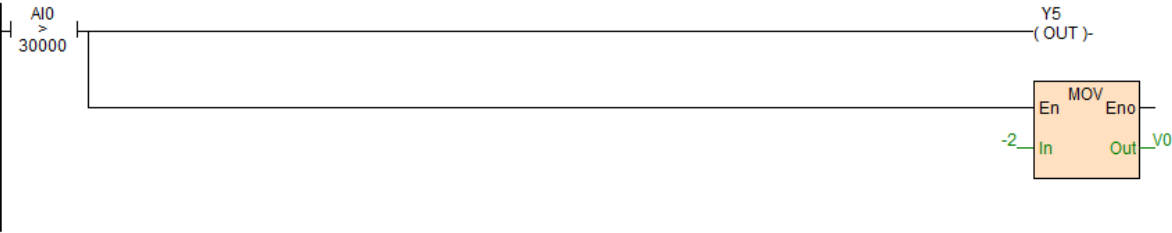
//Network 1 Real time. System startup



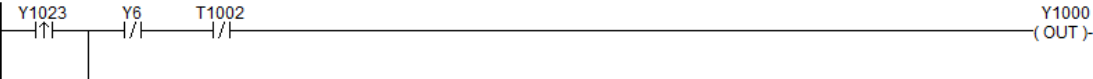
//Network 2 Secure lock. Avoid Water reservoir overflow or pressure meter malfunction




//Network 3 Checks water reservoir overflow



//Network 4 Indicators test and Breaker control Step 1



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Y1000

//Network 5 Indicators test and Breaker control Step 2




//Network 6 Indicators test and Breaker control Step 3

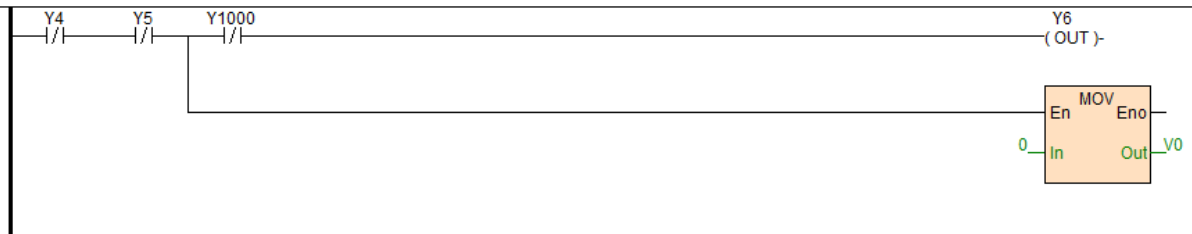


//Network 7 Indicators test and Breaker control Step 4

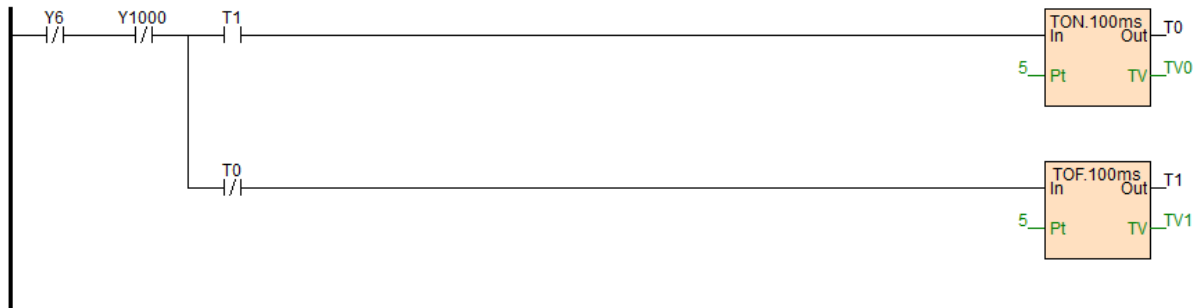


//Network 8 Secure locker. Avoid system turn ON when anomaly detected

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//Network 9 HMI anomaly indicator. Y0 will blink when anomaly detected. Error code stored in V0 to be read by user

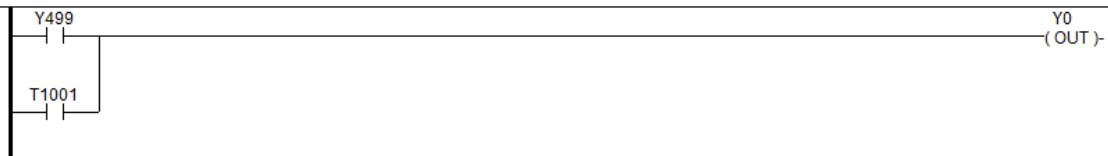


//Network 10 HMI Anomaly indicator: Blink if abnormal. ON if normal

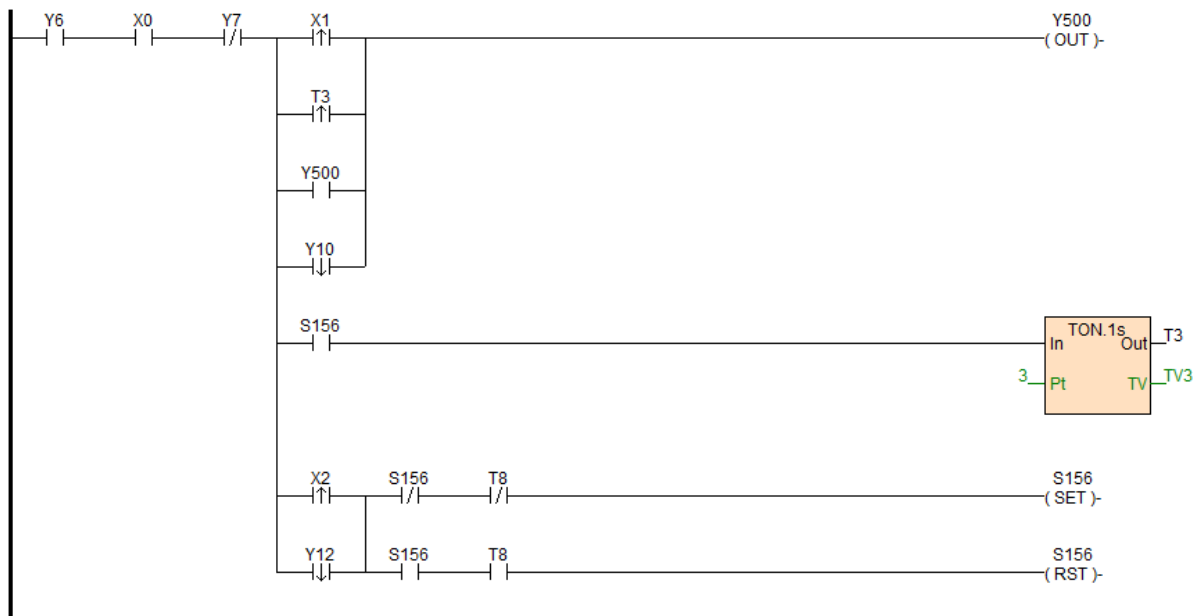


//Network 11 HMI Anomaly indicator: Blink if abnormal. ON if normal (Auxiliary)


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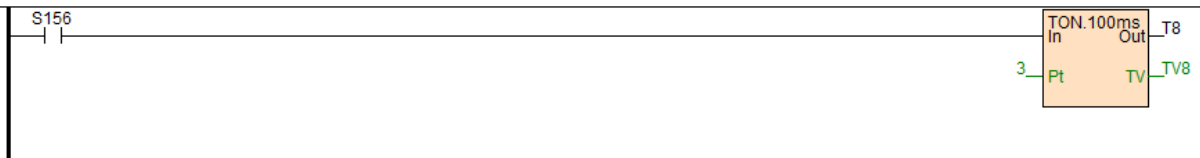


//Network 12 Start and Emergency Button inputs



//Network 13 Start and Emergency Button inputs (Auxiliary)

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//Network 14 Start and Emergency Button inputs (Auxiliary




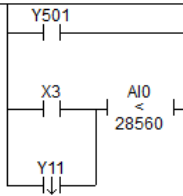
//Network 15 Start and Emergency Button inputs (Auxiliary



//Network 16 Water pump controller reservoir level checker. Controls ON/OFF basend on HMI inputs/error code locker/water sensor/solar incidence



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//Network 17 Water pump controller reservoir level checker. Controls ON/OFF basend on HMI inputs/error code locker/water sensor/solar incidence (Auxiliary




//Network 18 Real time system 32 bit timer startup



//Network 19 Reset ready system timer



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//Network 20



//Network 21 Real time pulser




//Network 22 System on timer on, ready timer and water pump timer



//Network 23



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//Network 24




//Network 25 Breaker startup

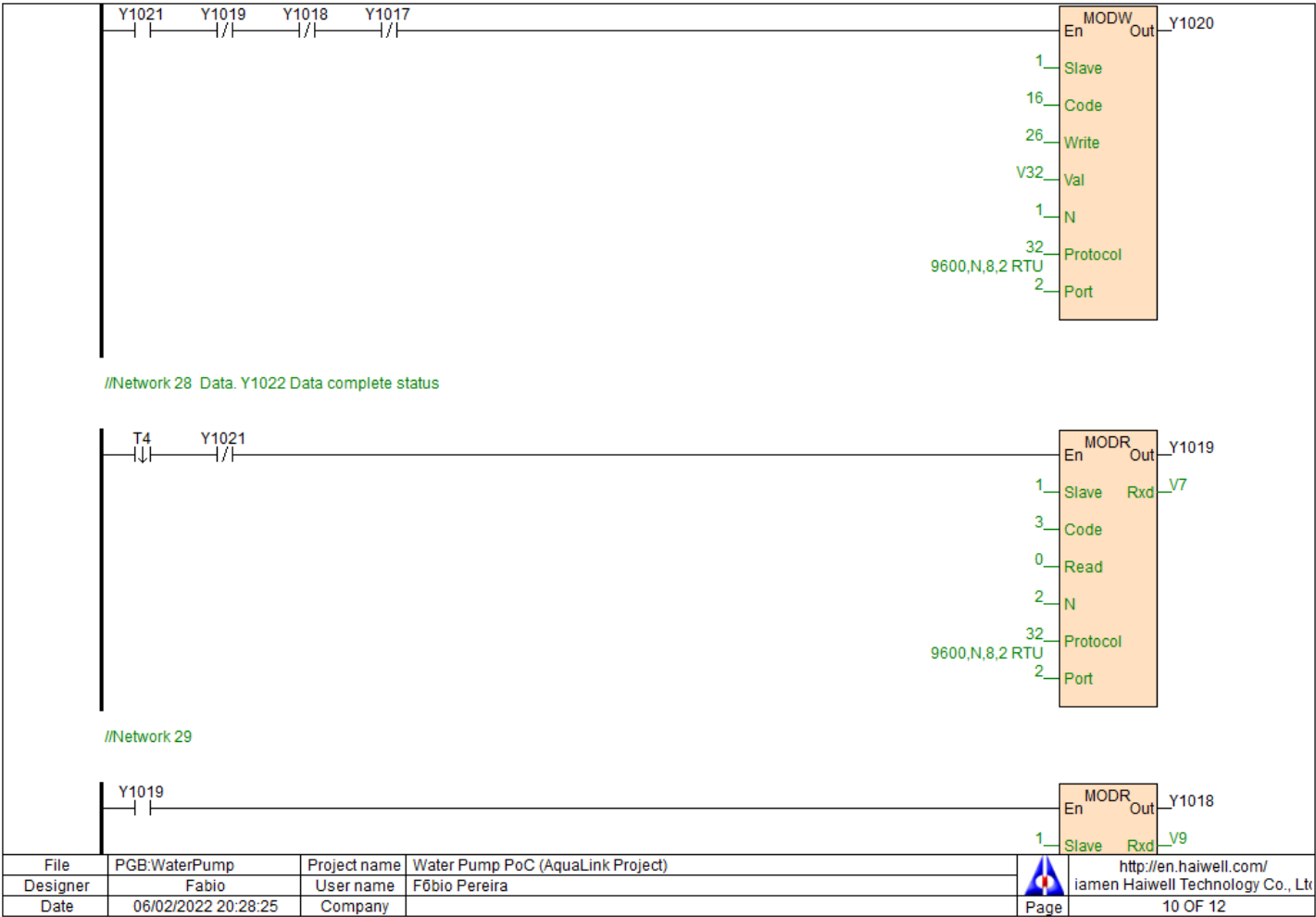


//Network 26



//Network 27

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//Network 29

Y1019

En

MODR

Out

Y1018

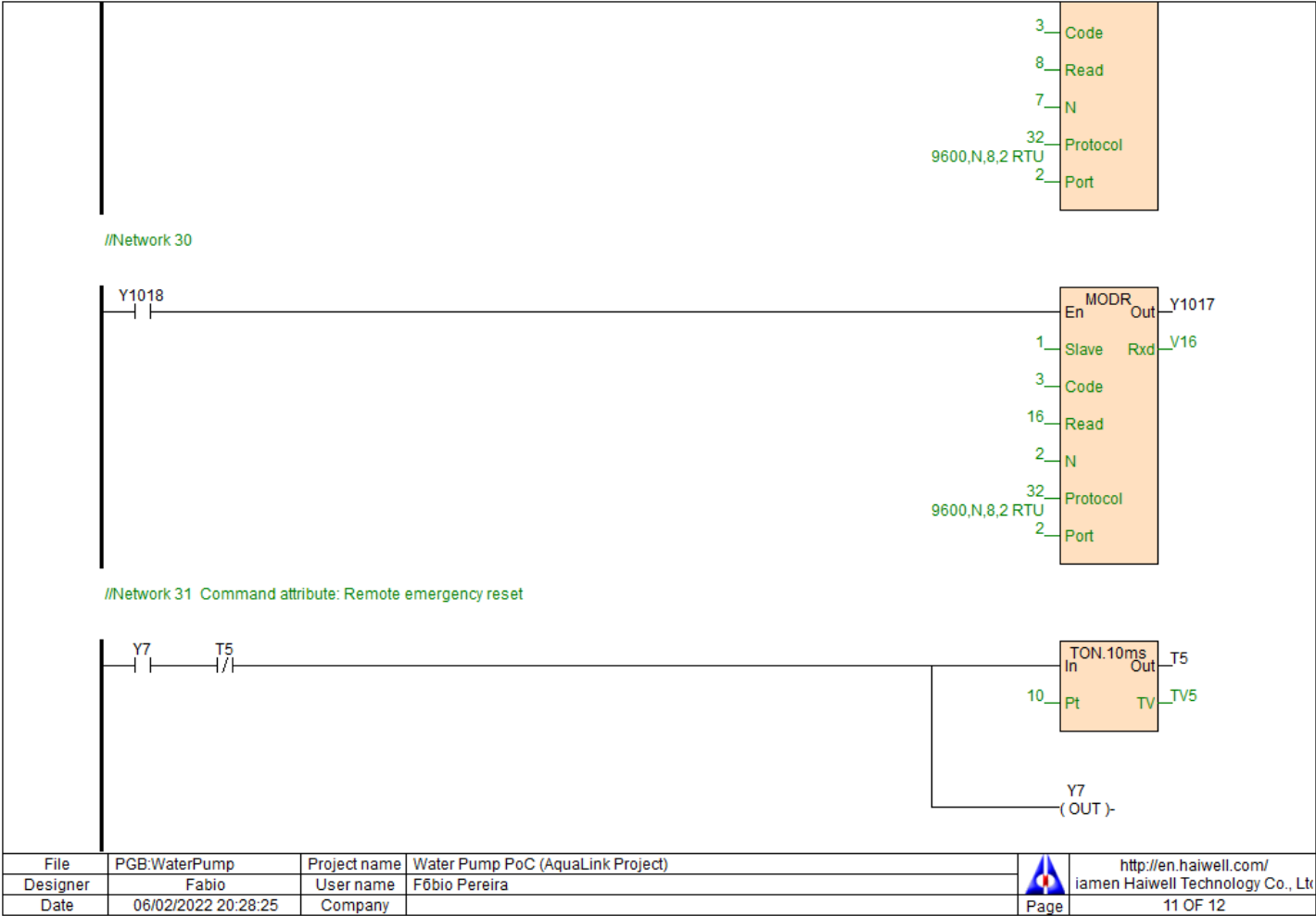
1


Slave

Rxd

V9





File	PGB:WaterPump	Project name	Water Pump PoC (AquaLink Project)		<a href="http://en.haiwell.com/">http://en.haiwell.com/</a> iamen Haiwell Technology Co., Ltd
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//Network 32 Command attribute: Remote ready




//Network 33 Turn on pump remote



//Network 34 Toggle automatic mode




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Date	06/02/2022 20:28:25	Company			
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## Hardware configuration

Index	Module type	X Component	Y Component	AI Component	AQ Component	Other
0	AC12M0T/P	X0 - X3	Y0 - Y3	AI0 - AI1	AQ0 - AQ1	COM1-2

Index	Description
0	CPU module 4*DI 4*DO transistor 2*AI analog input 2*AO analog output DC24V power LAN + RS485

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Date	06/02/2022 20:28:25	Company		Page	1 OF 1