

# SMART LINK SI B (A9XMZA08)

Connect your Smartlink to your router and also connect the Edge Box to your router with Ethernet Patchcords

Factory settings on Smartlink SI B (Push reset button for more than 10 seconds)

This factory setting uses DHCP

Locate the address of your smartlink from your router network map, or with an advanced IP scanner software.

In our case the IP address is 192.168.1.95

Connect one circuit breaker with auxiliary contact to the Channel 1 of Smart Link

Let's look at the manual to find the Channel 1 address:

Description of terminals for each channel (Ti24 interface):

Terminal	Description
24 V	24 V of the 24 Vdc power supply
Q	Control output
I2	Input number 2
I1	Input number 1
0 V	0 V of the 24 Vdc power supply

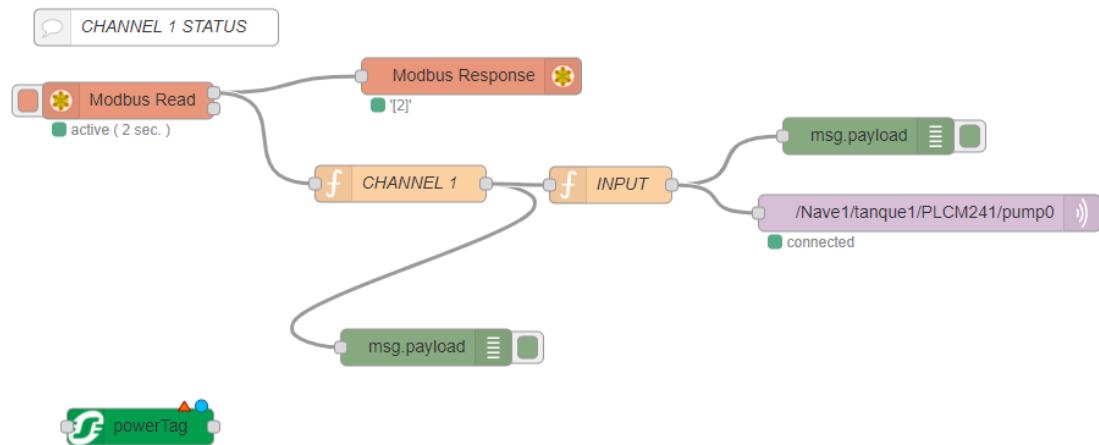
## Status

	Channels						
	1	2	3	4	5	6	7
Input I1 (bit 0)	14200	14240	14280	14320	14360	14400	14440
Input I2 (bit 1)	14200	14240	14280	14320	14360	14400	14440

For Channel 1

Address	No.	RW	X	Unit	Type	Range	Default Value	Svd	Function Code	Description
14200	1	R	-	-	BITMAP	-	0x0000	N	03, 100-4	Electrical status of inputs 1 and 2 of all connected devices <sup>(1)</sup> .

Let's build this Node-red Flow



### Edit Modbus-Read node

Delete Cancel Done

#### Properties

##### Settings

Name:

Topic:

Unit-Id:

FC:

Address:

Quantity:

Poll Rate:

☐ Delay on start

Server:

##### Optionals

[Delete](#)[Cancel](#)[Update](#)**⚙ Properties**

Name

Type

TCP



Host

Port

TCP Type

DEFAULT



Unit-Id

Timeout (ms)

Reconnect  
timeout (ms)

Log states changes

☐

Queue commands

☒

Queue delay (ms)

Edit function node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🔗

🔑 Name

CHANNEL 1

📄

▼

🔧 Function

↗️

1

var variable0={payload: msg.payload[0]}

2

return variable0;

Edit function node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🔗

🔑 Name

INPUT

📄

▼

🔧 Function

↗️

1

var a=msg.payload;

2

if (a==3)

3

msg.payload=1;

4

else

5

if (a==2)

6

msg.payload=0;

7

return msg;

Edit mqtt out node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

🌐 Server

broker.hivemq.com:1883

✎

📄 Topic

/Nave1/tanque1/PLCM241/pump0

🌐 QoS

🔄 Retain

🏷 Name

Name

Tip: Leave topic, qos or retain blank if you want to set them via msg properties.

Edit mqtt out node > Edit mqtt-broker node

Delete

Cancel

Update

⚙ Properties

⚙

📄

🏷 Name

Name

Connection

Security

Messages

🌐 Server

broker.hivemq.com

Port

1883

☐ Enable secure (SSL/TLS) connection

🏷 Client ID

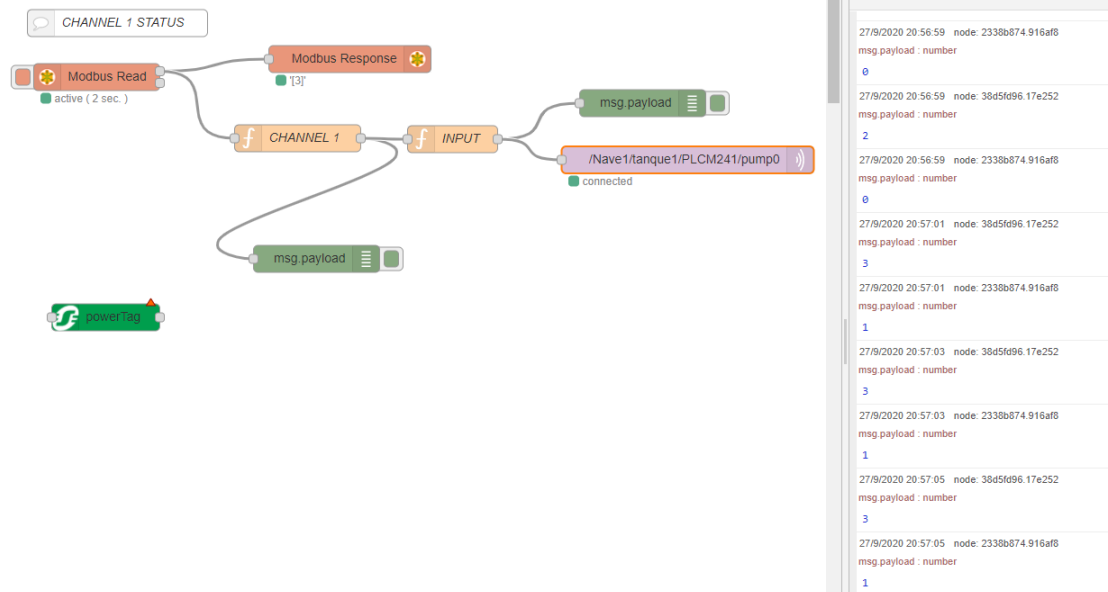
Leave blank for auto generated

☒ Keep alive time (s)

60

☒ Use clean session

☐ Use legacy MQTT 3.1 support



You can find the code here

<https://github.com/xavierflorensa/Schneider-SmartLink-SI-B-Channel1-status>