



## AL14xx A/B port options – EtherNet/IP

The PerformanceLine IO-Link masters (AL14xx) provide an output current rating of 2A. The user can configure ports 1...4 as A or B types and factory default is type A.

For easy testing, modify the ports using LRDevice configuration software.

Note: The PLC overwrites this configuration when connected via most fieldbus modules (EIP, ProfiNet, EtherCAT, etc.).

Port	Configuration
Port 1	Port1 Transmission to LR Agent or SMARTOBSERVER: Enabled
Port 2	Port1 Current Limit Pin2 UA: 450
Port 3	Port1 Mode Pin2 UA: Off (IO-Link Type A Supply)
Port 4	Port1 Current Limit Pin1+Pin4 US: Off (IO-Link Type A Supply)
Port 5	Digital Output: On (IO-Link Type B Supply)

Using RSLogix, open the module Configuration Tags.

Open the module Configuration tags.



Find the AUX power mode (UA) at the end of the configuration list for ports 1...4.

	Port type	PLC entry
+ AL1422:C.X1_B_Port_Mode_Pin2_UA	A (default)	0
+ AL1422:C.X2_B_Port_Mode_Pin2_UA	B	1
+ AL1422:C.X3_B_Port_Mode_Pin2_UA	Standard digital output	2
+ AL1422:C.X4_B_Port_Mode_Pin2_UA		



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Fail Safe mode can be set for AUX power. If the fieldbus communication fails, the master retains these mode settings.

+ AL1422:C.X1_B_Port_Mode_Pin2_UA	0	Port type	PLC entry
+ AL1422:C.X2_B_Port_Mode_Pin2_UA	0	A (default)	0
+ AL1422:C.X3_B_Port_Mode_Pin2_UA	0	B	1
+ AL1422:C.X4_B_Port_Mode_Pin2_UA	0	Standard digital output	2

Current control can be set for all ports. Note that ports 5...8 are type A only. The sensor power current limit is the threshold unless the port is set to type B.

+ AL1422:C.X1_B_Port_Current_Limit_Pin2_UA	2000
+ AL1422:C.X2_B_Port_Current_Limit_Pin2_UA	2000
+ AL1422:C.X3_B_Port_Current_Limit_Pin2_UA	2000
+ AL1422:C.X4_B_Port_Current_Limit_Pin2_UA	2000
+ AL1422:C.X1_B_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X2_B_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X3_B_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X4_B_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X5_A_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X6_A_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X7_A_Port_Current_Limit_Pin1_Pin4_US	450
+ AL1422:C.X8_A_Port_Current_Limit_Pin1_Pin4_US	450