

# 1.) Supported fieldbus modules

## Supported fieldbus systems:

- a.) Ethernet based:    -EtherCAT  
                               -ProfiNet
- b.) Classical fieldbus: -Profibus-DP  
                              -DeviceNet
- c.) Simple network:    -Modbus TCP  
                             -Modbus RTU



RIO2-PBA Profibus-DP module



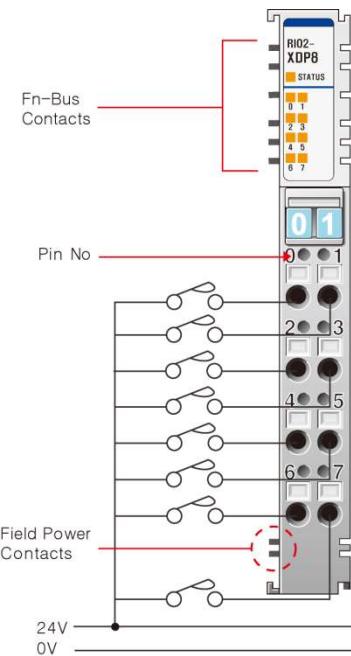
RIO2-ECA EtherCAT module



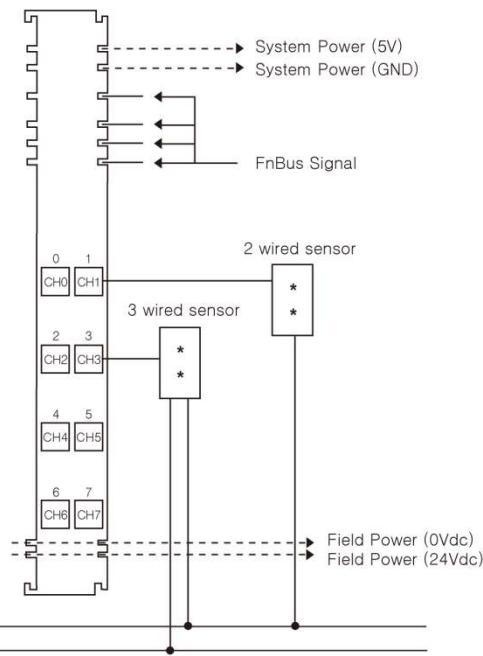
## 2.) Digital Input modules

### List of digital input modules:

Digital Input modules	
RIO2-XDP4	24VDC 4-channel sink input module
RIO2-XDP8	24VDC 8-channel sink input module
RIO2-XDP16	24VDC 16-channel sink input module, connector type
RIO2-XAH4	230VAC 4 channel Input module



Wiring diagram RIO2-XDP8

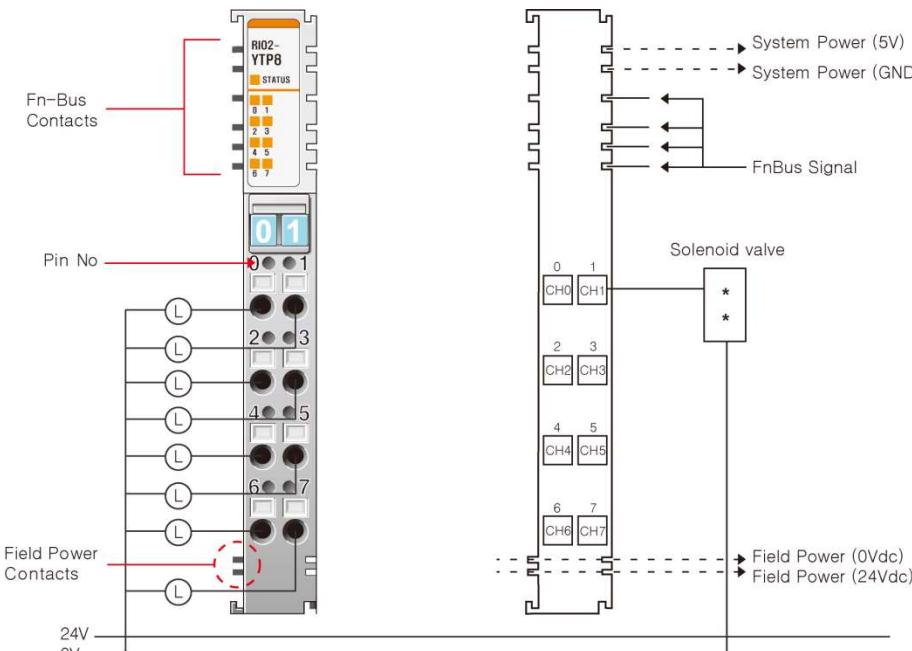


RIO2-XDP16  
connector type

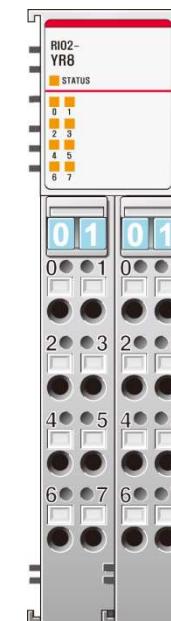
### 3.) Digital Output modules

#### List of digital output modules:

Digital Output modules	
RIO2-YTP4	24VDC 4-channel source output module
RIO2-YTP8	24VDC 8-channel source output module
RIO2-YTP16	24VDC 16-channel source output module, connector type
RIO2-YTP4C	24VDC 4-channel source output module, 2A
RIO2-YR4	24VDC-coil N.O. DPST 4 channel relay module
RIO2-YR8	24VDC-coil N.O. DPST 8 channel relay module



RIO2-YTP16  
connector type

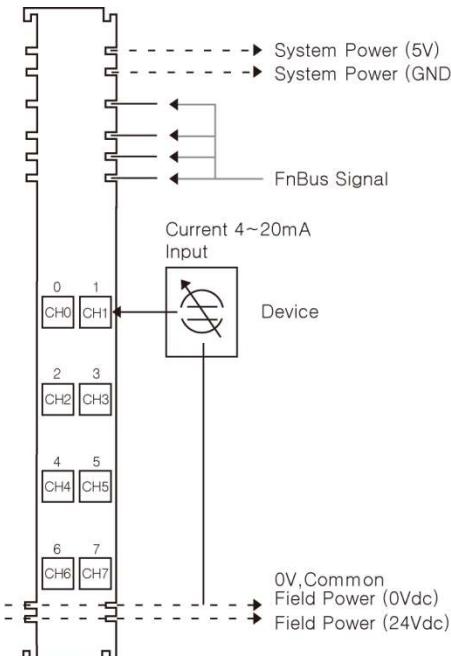
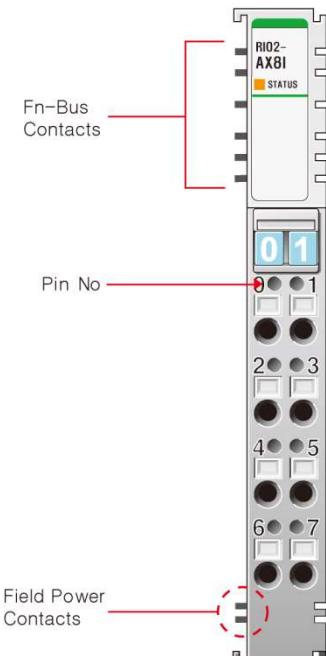


RIO2-YR8

# 4.) Analogue Input modules

## List of analogue input modules:

Analog Input modules	
RIO2-AX4I	4-channel 20 mA current analog input module
RIO2-AX8I	8-channel 20 mA current analog input module
RIO2-AX4V	4-channel 0-10V voltage analog input module
RIO2-AX8V	8-channel 0-10V voltage analog input module
RIO2-AX4H	4-channel -10~+10V voltage analog input module



Wiring diagram RIO2-AX8I

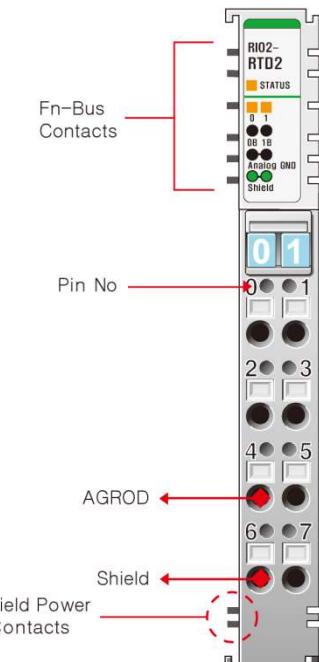


RIO2-AX8V

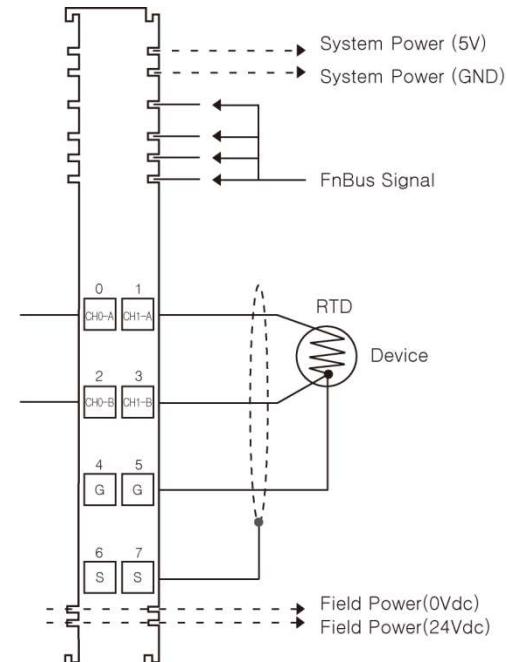
# 5.) Temperature detective Input modules

## List of analogue temperature detective modules:

Temperature modules	
RIO2-RTD2	2-channel RTD input module
RIO2-RTD4	4-channel RTD input module
RIO2-RTD8	8-channel RTD input module
RIO2-TC2	2-channel isolated thermocouple module
RIO2-TC4	4-channel isolated thermocouple module



Wiring diagram RIO2-RTD2



RIO2-RTD8  
connector type



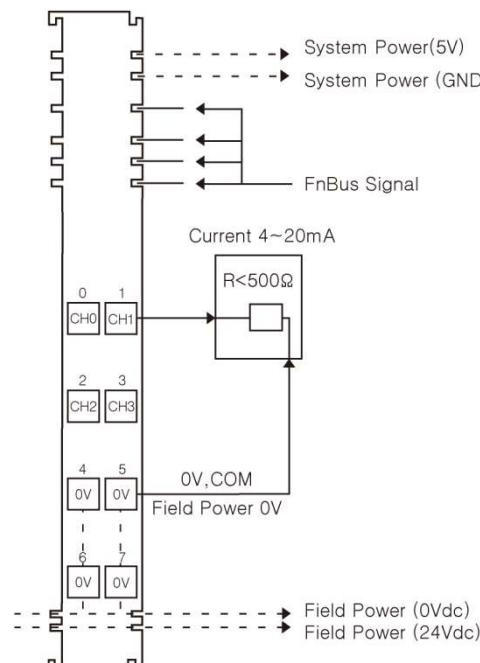
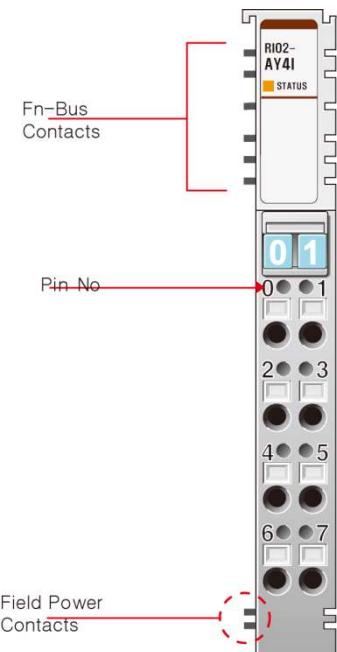
RIO2-TC2

# 6.) Analogue Output modules

## List of analogue output modules:

### Analog Output modules

RIO2-AY2I	2-channel 4-20 mA current analog output module
RIO2-AY4I	4-channel 4-20 mA current analog output module
RIO2-AY2V	2-channel 0-10V voltage analog output module
RIO2-AY4V	4-channel 0-10V voltage analog output module
RIO2-AY2H	2-channel -10~+10V voltage analog output module



Wiring diagram RIO2-AY4I



RIO2-AY4V

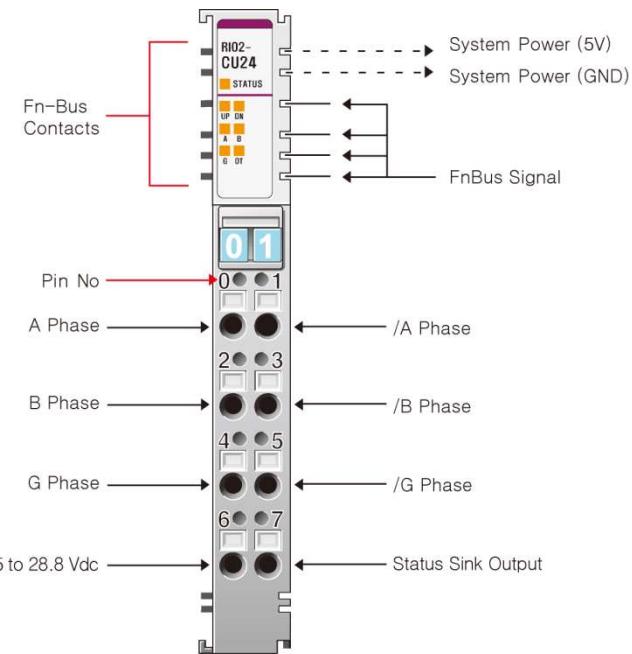


RIO2-AY2H

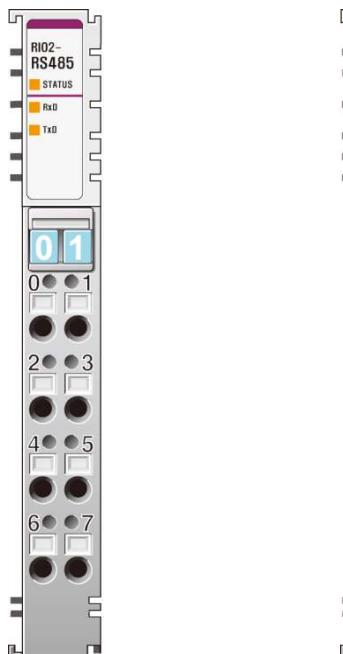
# 7.) High function modules

## List of high function modules:

High function modules	
RIO2-CU24	1-channel, 2-phase counter module 24V DC, 1500kHz
RIO2-CU24L	2-channel, 1-phase counter module 24V DC, 100kHz
RIO2-RS232	1-channel, RS232 ASCII Communication module
RIO2-RS485	1-channel, RS485 ASCII Communication module
RIO2-PWM2	2-channel, PWM Output, 0,5A, 24VDC
RIO2-PO2	2-channel, Pulse Output, 0,5A, 24VDC



Wiring diagram RIO2-CU24



RIO2-RS485

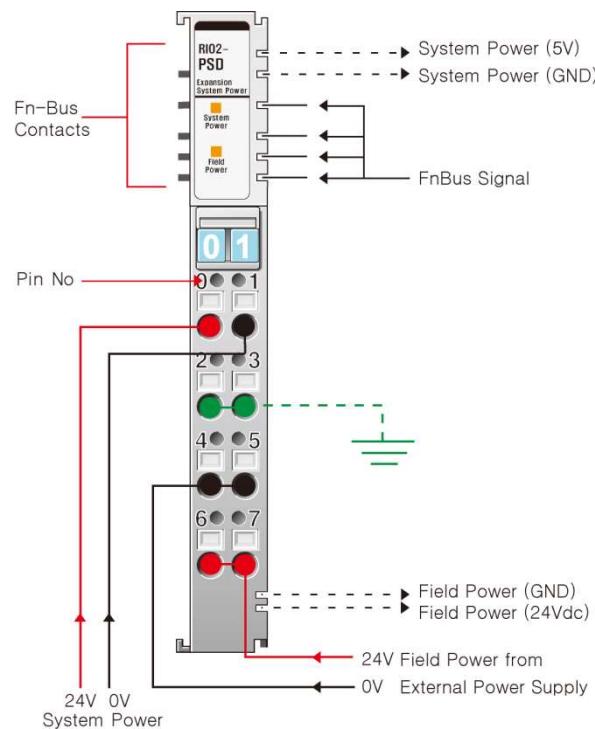


RIO2-PWM2

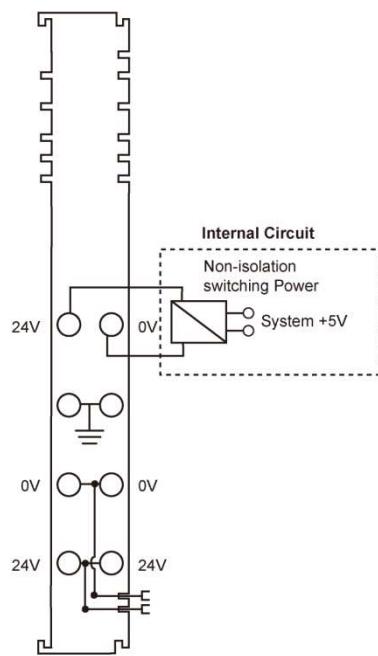
# 8.) Power supply modules

## List of power supply and common modules:

Power supply modules	
RIO2-SHD	Shield Module
RIO2-0VDC	Common 0V DC
RIO2-24VDC	Common 24V DC
RIO2-VDC	Common 0V/24V DC
RIO2-PSD	Expansion Power supply, Input 24V DC, Output 1,0A/5V
RIO2-PS	Field distributor 5V, 24V, 48V DC, 110V, 230V AC



Wiring diagram RIO2-PSD



RIO2-PS



RIO2-24VDC