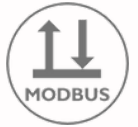




XWLD-5



XWLD-15



PRODUCT DESCRIPTION

The Wireless IO Extender is designed to expand the input/output capabilities of your existing system wirelessly. It allows you to connect and control a wide range of devices remotely without the need for physical wiring. With this extender, you can conveniently integrate additional sensors, switches, actuators, and other devices into your network

FEATURES

- **Wireless Connectivity:** The extender utilizes wireless communication technology to transmit and receive signals, eliminating the need for complex wiring installations.
- **Expandability:** It provides multiple input and output ports, allowing you to connect and control numerous devices simultaneously.
- **Compatibility:** The extender is compatible with a variety of protocols, ensuring seamless integration with your existing system.
- **Easy Installation:** Setting up the Wireless IO Extender is quick and straightforward, enabling hassle-free deployment.
- **Secure Transmission:** The extender incorporates advanced security measures to protect your data during wireless transmission.
- **Remote Control:** It enables remote access and control over connected devices, providing flexibility and convenience

SPECIFICATIONS

MODEL NUMBER	<u>XWLD-5</u>	<u>XWLD-15</u>
MEMORY	4MB Flash memory	4MB Flash memory
POWER SUPPLY	Inbuilt 5 W universal input (90-265 Vac)	Inbuilt 5 W universal input (90-265 Vac)
DI	4 Nos 230Vac (capable of counting Pulse Input)	6 Nos 230Vac (capable of counting Pulse Input)
DO	2 Nos 230Vac(Potential free relay contact up to 10A)	3 Nos 230Vac(Potential free relay contact up to 10A)
AI	Nil	2 Nos - 4-20mA 2 Nos - 0-10V
DIMENSIONS	70 X 48 X 118 MM (LXWXH)	105 X 48 X 118 MM (LXWXH)
APPLICATION	HVAC (Chiller Plant Management-CPM) Building Management System (BMS)	HVAC (Chiller Plant Management-CPM) Building Management System (BMS)
INSTALLATION	din rail mounting following din 43880 (top hat rail en50022)	din rail mounting following din 43880 (top hat rail en50022)
OPERATING CONDITION	0°C to 50 °C, 10-70 % RH, non-condensing, Degree of protection: IP40, IP20 (terminals)	0°C to 50 °C, 10-70 % RH, non-condensing, Degree of protection: IP40, IP20 (terminals)
INTERFACE	1x RS-485 Modbus RTU (Master or Slave) 1xWi-Fi (TCP/MQTT/HTTP/Modbus/ 2.4GHz wireless mesh)	1x RS-485 Modbus RTU (Master or Slave) 1xWi-Fi (TCP/MQTT/HTTP/Modbus/ 2.4GHz wireless mesh)

I/O EXTENDER



DATA SHEET

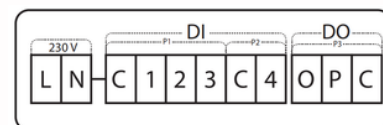
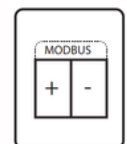
IO DETAILS (XWLD-5)

CONNECTOR

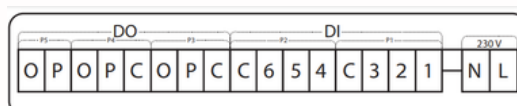
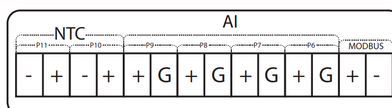
DESCRIPTION

- L
- N
- C
- DI1(P1)
- DI2(P1)
- DI3(P2)
- DI4(P2)
- P(P3)
- C(P3)
- O(P3)
- A
- B

- 230 Vac Input power supply
- Power supply reference
- Common for Digital inputs
- Digital input.1 ,230 Vac
- Digital input.2 ,230 Vac
- Digital input.3 ,230 Vac
- Digital input.4 ,230 Vac
- Common for relay.1
- Normally close contact for relay.1
- Normally open contact for relay.1
- (+)Terminal for RS485 connection
- (-)Terminal for RS485 connection



IO DETAILS (XWLD-15)



ZedBee Technologies Pvt Ltd

IIT madras Research Park, Taramani, Chennai-600113

CONNECTOR

DESCRIPTION

L	230 Vac Input power supply
N	Power supply reference
C	Common for Digital inputs
DI1(P1)	Digital input.1 ,230 Vac
DI2(P1)	Digital input.2 ,230 Vac
DI3(P1)	Digital input.3 ,230 Vac
DI4(P2)	Digital input.4 ,230 Vac
DI5(P2)	Digital input.5 ,230 Vac
DI6(P2)	Digital input.6 ,230 Vac
P1(P3)	Common for relay.1
C1(P3)	Normally close contact for relay.1
O1(P3)	Normally open contact for relay.1
P2(P4)	Common for relay.2
C2(P4)	Normally close contact for relay.2
O2(P4)	Normally open contact for relay.2
P3(P5)	Common for relay.3
O3(P5)	Normally open contact for relay.3
A	(+)Terminal for RS485 connection
B	(-)Terminal for RS485 connection
G1	Common for analog Input
AI1(P6+)	Analog Input.1 ,0 TO 10V
AI2(P7+)	Analog Input.2 ,0 TO 10V
AI3(P8+)	Analog Input.3 ,4 TO 20mA
AI4(P9+)	Analog Input.4 ,4 TO 20mA
V(-)	Common For NTC Inputs
NT1(P10+)	Passive Analog Input.1(NTC-3K)
NT2(P11+)	Passive Analog Input.2(NTC-3K)