

BMSTRCPU3PG1



- Processing EnSmart TR Series Modbus IO Module, Modbus Third party Devices
- Easy integration of I/O-system
- Flexibility to Expand/Modification
- Modbus RS-485 protocol interface/Modbus IP

EXTENSION IO MODULE

BMSDDCTRCPU3PG1

Modbus

RS485/ModbusIP

Multiple Baud Rate

Options

NETWORK PROTECTION

Optically Isolated

Mounting:

DINRAIL

Approval

Approval: CE, RoHs

BMSDDCTRCPU3PG1

Communication: Modbus RS485/Modbus IP

Operating Temp: 0-50 DegC

Operating Humidity: 0-95% RH

Mounting : Dinrail

Dimension: 110 x 110x 70mm

Casing: ABS

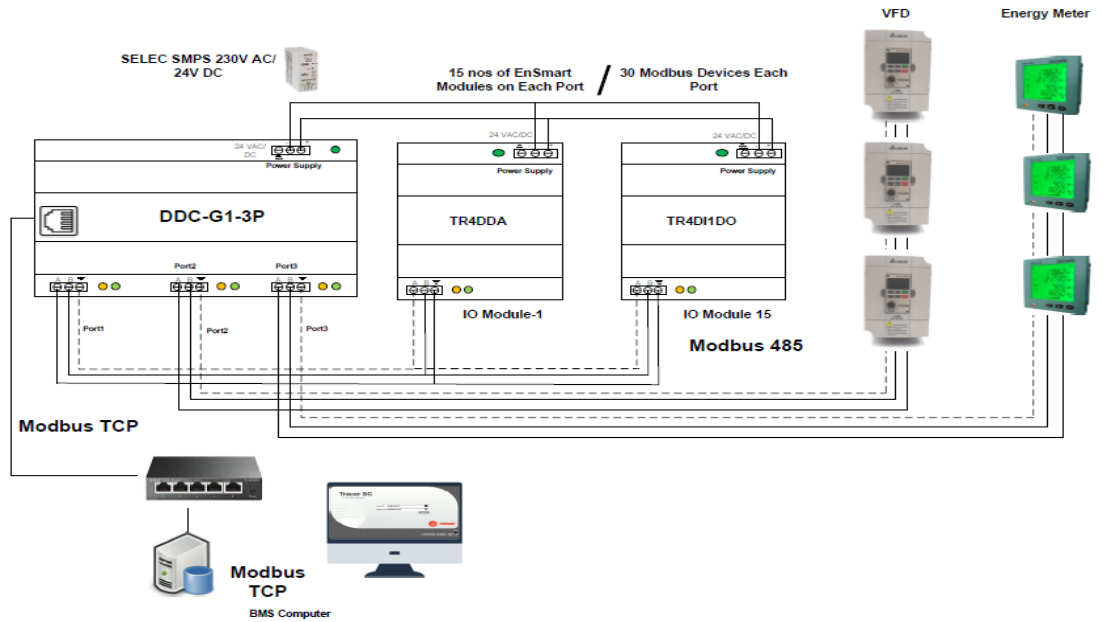
Application:

- Building Automation System/Modbus Integration,
- Industrial Automation
- Robotics
- IOT Application

Easy to Use:

- Modbus Master/Slave Communication
- 15 nos of TR Series IO Modules can be added in Each port
- 28 Modbus RTU Devices in each port.

System Architecture (BMSDDCTRCPU3PG1)



TECHNICAL Features

No Configuration required
Easily Integration to
BMSTRCPU3PG1 or any
Third party Modbus
Master

ZERO/Minimal DOWNTIME

Incase of failure of IO
Module, We can replace IO
module on immediate ,
Sytme can be retained
without any additional
programing skill.

TURNKEY SOLUTIONS

Since Modules are modular
concept, We can able to
design and multiply
turnkey projects using this
modular IO Modules.

System Requirements

- IO Modules can be commisioned using Modbus Master (Modscan) via serial or **BMSTRCPU3PG1** via IP without programming knowlegde.
- Mounting: DIN RAIL
- Operating Voltage: 24 V DC
- Modscan or Modbus Master Utility
- Sofwtare for Commissioning
- Editor Tool for FBD Programming

SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support
- Warranty

For More details

<https://www.emsi.co.in>

ENSMART SMART WAY TO CONNECT SIGNALS

Save cabling cost

Eliminate Panel Engineering

Eliminate Design Engineering

Multiple System of Single Loop :
Locate Module near Signals to
Save Huge cabling cost ,Instalaltion
and Engineering Made Easy



2 Core Shielded Cable
(RS485-Port1)



4DI1DO

DI- A/M Sts, Trip Sts, Run Sts
DO: Run Command
(AHU/EF/FCU/PUMP/CHWS etc.c)



2DI1DO

DI- Filter Status/Damper Sts, DP Fan Sts
DO: Damper Command
(AHU/EF/FCU etc.,)



1AI1AO

AI- CHWS Feedback/VFD feedback
AO: CHWS Control/VFD Control
(AHU/EF/FCU/PUMP/CHWS etc.,)
(Signal Type:0-10V DC/4-20ma)



2AI

AI1- NTC Temp
AI2: Humidity/CO2
(AHU/EF/FCU etc.,)

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2 Core Shielded Cable
(RS485-Port2)



4AI-4DI-4DO

4AI: NTC/0-10CDC/4-20ma
4DI: VFC
4DO: 3A 230v Relay



16 DI

Substation Electrical Monitoring
Lighting Monitoring System
On Multiple location using single 2 core



4DI 1DO

Ventilation System,Exhaust Fan
Auto Manual Sts,trip Sts, Run Sts
Fan Command

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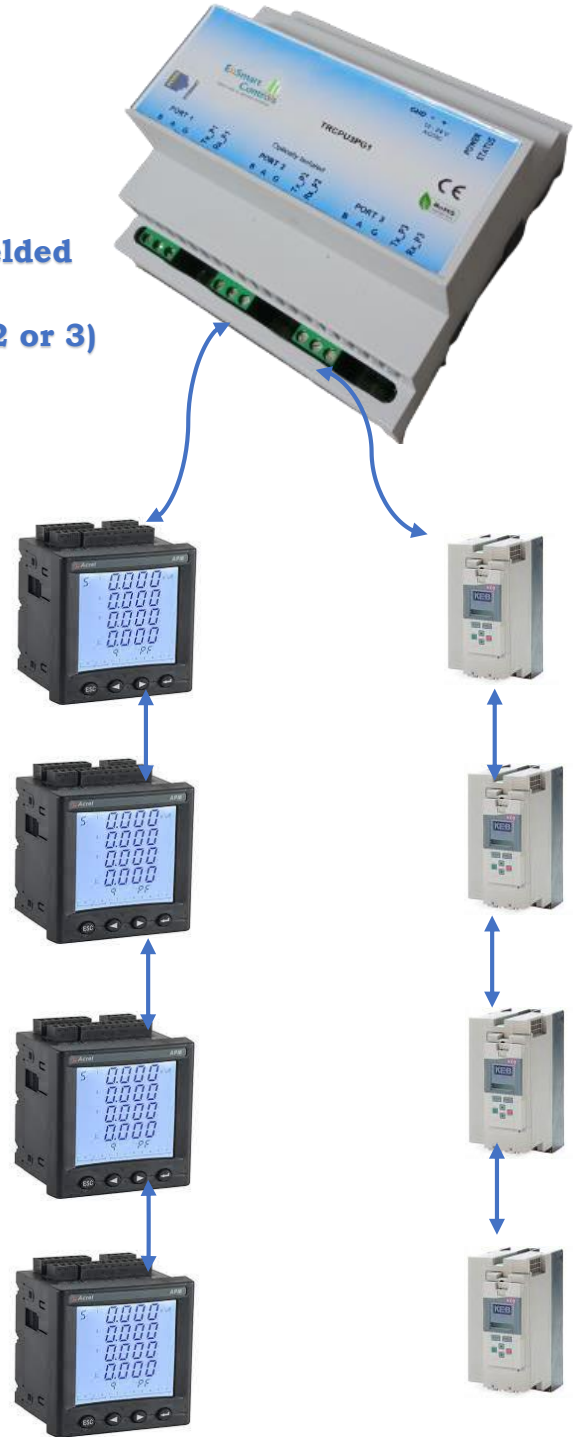
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2 Core Shielded Cable (RS485-Port2 or 3)



Energy Meter **OR** VFD **OR** UPS
etc., any Modbus RTU Devices
Devices

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