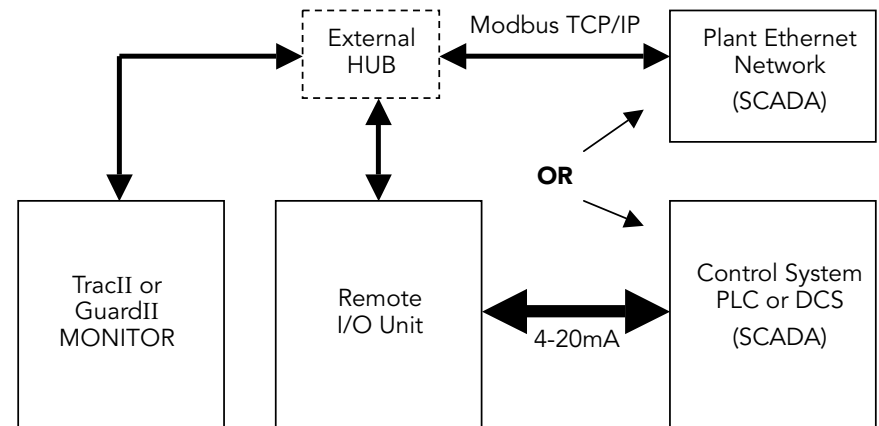


Iris Power Remote I/O Unit

For Analog Input or Output Signal Manipulation with Continuous Monitors

The Iris Power Remote I/O Unit is an optional interface hardware designed to function in conjunction with a TracII or GuardII monitor. The Unit allows the TracII or GuardII monitor to share machine data or receive machine operating conditions. The Remote I/O Unit also helps provide context to the PD, Flux, or endwinding vibration measurements to improve trending data. Remote I/O Units are available in three formats:

- The Analog Signal Output Module (ASOM) is for online transfer of analog signals, proportional to the Iris Power monitors' summary data, to plant equipment that only accepts this form of signal. For example, +Qm and -Qm summary numbers per phase.
- The Analog Signal Input Module (ASIM) for on-line measurement of machine operating conditions such as machine voltage, load, temperature, pressure and humidity.
- A custom unit is also available which uses a mixture of analog input and analog output module cards.



SPECIFICATIONS

POWER SOURCE

- Voltage: 115/230 V, 50/60 Hz
- Consumption: <100 W

COMMUNICATIONS

- Ethernet Ports (2 RJ45 connectors)
- Modbus TCP/IP
- Preconfigured to work with the TracII and GuardII monitors

ANALOG SIGNAL INPUTS

- 4-20mA
- 12 Bit Resolution
- Two channels per card

ANALOG SIGNAL OUTPUTS (standard unit)

- 4-20mA
- 12 Bit Resolution
- Two channels per card

OTHER I/O Types (consult with sales)

- Analog
- Digital (DC and AC)
- RTD
- Thermocouple

ENVIRONMENTAL CONDITIONS

- Temperature (operating/storage): 0°C to 55°C/-20°C to 85°C
- Relative humidity: <95 % non-condensing

SOFTWARE

- Iris Power IAM software (included with the Monitor) for configuration, downloading, and analysis
- Runs on any computer with MS Windows XP SP3 or later operating system

19" RACK MOUNTED CHASSIS

- Protection IP20
- All metal construction
- Easy access drawer makes wiring a snap
- Mounting hardware included
- Weight, approx.: 13 kg (29 lb)
- Dimensions: 482 mm (19") x 318 mm (12.5") x 222 mm (8.75")

Iris Power Remote I/O Module

NEMA 4, 4X, 12, 13 ENCLOSURE

- Protection IP67
- Fibreglass construction
- Easy access hinged door makes wiring a snap
- Shock and Vibration feet included
- Weight, approx.: 7 kg (14 lb)
- Dimensions: 406 mm (16") x 355 mm (14") x 203 mm (8")

ETHERNET

10/100 Mb/s Base T Ethernet is an industry standard as a communications platform for Networking. The Remote I/O Unit has a 2-port HUB included. The use of a local Ethernet HUB is recommended and would make node-to-node connections easier.

MODBUS

Modbus for TCP/IP is a standard industrial communications protocol used by Iris Power. Modbus was chosen for its universal acceptance and versatility.

CUSTOM REQUIREMENTS

For applications that require a mixture of ASOM, ASIM and/or CUSTOM input and output types, they can be easily combined into a single Unit. The only restriction would be the physical size of the chassis or enclosure. Please contact your sales representative for further help.



Rack Mount



Wall Mount

BASIC UNITS FOR ORDER

- Remote I/O complete with NEMA 4X enclosure for wall mounting, 6 analog outputs, 4-20mA 12 Bit, power supply 115/230Vac, Ethernet Port for Modbus TCP/IP Protocol. Outputs proportional to +Qm and -Qm PD summary numbers per phase. (ASOM)
- Remote I/O complete with 19" steel cabinet for rack mounting, 6 analog outputs, 4-20mA 12 Bit, power supply 115/230Vac, Ethernet Port for Modbus TCP/IP Protocol. Outputs proportional to +Qm and -Qm PD summary numbers per phase. (ASOM)
- Remote I/O complete with NEMA 4X enclosure for wall mounting, 4 analog inputs, 4-20mA 12 Bit, power supply 115/230Vac, Ethernet Port for Modbus TCP/IP Protocol. Inputs for machine operational conditions. (ASIM)
- Remote I/O complete with 19" steel cabinet for rack mounting, 4 analog inputs, 4-20mA 12 Bit, power supply 115/230Vac, Ethernet Port for Modbus TCP/IP Protocol. Inputs for machine operational conditions. (ASIM)

For other Remote I/O configurations, contact your sales representative.

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