

RB-Dev-62

16A 20 Channel Intelligent Relay Controller



The ETH8020 provides 20 volt free contact relay outputs with a current rating of up to 16Amp each and 8 analogue inputs. The module is powered from a 12vdc supply which can be regulated or unregulated. The DC input jack is 2.1mm with positive core polarity, DC supplies are required to supply at least 1A at 12vdc. The relays are SPCO (Single Pole Change Over) types. The normally open, normally closed and common pins are all available on the screw terminals.

The Relays on the ETH8020 can be controlled from the inputs on the ETH484. This offers the opportunity to construct a system where an input can control an output anywhere on the earth provided both locations are connected to the network/internet.

LED Indication

The ETH8020 provides a red LED mounted immediately next to each relay to indicate whether it is in a powered state (LED on), there is also two LED's mounted in the Ethernet connector which will flash with Ethernet traffic. Finally there is a green power LED next to the processor.

Relay Power Rating

If the contact load voltage and current of the relay are in the region enclosed by the solid and dotted lines in the figure below, the relay can perform stable switching operation. If the relay is used at a voltage or current exceeding this region, the life of the contacts may be significantly shortened.

Specifications

- Number of Relay's: 20
- Analogue Inputs (0-5v): 8
- Power: 12V DC adaptor, supplied separately.
- Configuration & Test interface: HTTP (webpage).
- Control interface: TCP/IP over Ethernet.
- Relay current: Up to 16Amp @24vdc or 250vac
- Connections: Screw Terminals for N/O N/C and Common contacts.
- Operating Temperature: -40°C to +70°C