

## Machine Monitoring and Data Collection Hardware

### Status Relay Controllers

- No Programming is Required
- Digital and Analog Inputs
- Wired or Wireless Ethernet
- Expandable
- Low Cost

### Status Relay Controller

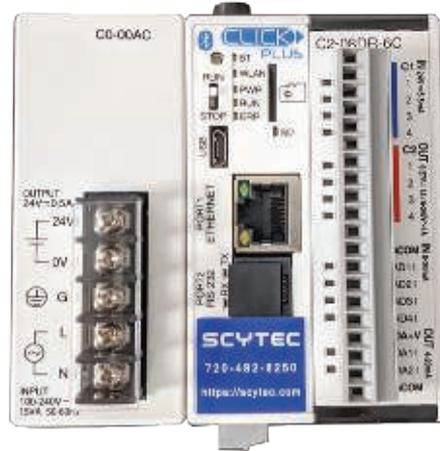
The Status Relay Controller (SRC) is a low-cost hardware device that comes programmed and ready to work with Scytec DataXchange. The SRC can be connected to a wired or wireless Ethernet network and is capable of monitoring digital and analog signals with built-in functionality around shop floor equipment. The SRC is available in two configurations, the SRC Standard and the SRC Extended.

### Connecting Equipment to the SRC

Outputs from equipment or sensors are wired to the digital or analog inputs of the SRC. One or multiple inputs can be used to determine the status of the equipment or to collect sensor data. The Scytec DataXchange software can be configured to use any combination of inputs from the SRC.

### The ROI of Machine Monitoring

Saving one hour of downtime per month per machine will pay for the DataXchange monthly fee. With this type of return, payback typically comes within the first few days of the month, and this is simply based on downtime savings. Savings from improved quality, customer satisfaction, and lower tooling costs, among other benefits, are all in addition to the savings from reducing downtime. Visit <https://scytec.com> for a full pricing and ROI calculator and for more details.



## SRC Standard

The Standard SRC has four digital inputs that can be configured in a variety of ways, all without any programming providing a flexible, scalable solution. Each input can be configured to detect high or low signals, alternating signals, latch based on a pulse, or function as a counter.

The Standard SRC works great for monitoring stack lights to detect green, yellow, red, and flashing conditions, as well as digital signals from the equipment. In addition, sensors such as proximity switches and current switches are a great solution to determine cycle status and part counts.

- 2 Analog 0 - 20 mA
- 2 Analog 4 - 20 mA
- 4 Digital Inputs 24 Volts
- Detects State, Alternating, and Latching
- Configurable for State or Counters
- 4 Digital Relay Outputs

## SRC Extended

The Extended SRC has all the functionality of the Standard SRC with the addition of up to four analog inputs and eight additional digital inputs. The analog module can be one with 0 - 20 mA inputs or a module with 0 - 10 volt inputs. With either module, the scaling is configured and performed in Scytec DataXchange eliminating the need for any programming. A variety of sensors such as current, vibration, temperature and fill level sensors can be used with the Extended SRC providing machine health monitoring in addition to tracking machine utilization.

- Add on Modules to the SRC Standard
- Choice of Analog Module
- 4 Analog Inputs 0mA - 20mA
  - 4 Analog Inputs 0v - 10v
  - 8 Additional Digital Inputs
- Additional modules can be added



**Current Sensor**



**Vibration Sensor**



**Proximity Sensor**



**Fill Level Sensor**