

Machine Monitoring and Data Collection Hardware

Status Relay Controllers

- No Programming Required
- MTConnect Capable
- Wired or Wireless Ethernet
- Expandable
- Low Cost



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, 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.



Current Sensor



Vibration Sensor



Proximity Sensor



Fill Level Sensor

Machine
Monitoring
Data
Collection



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Status Relay Controller

Low Cost Device for Monitoring Equipment

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.

SRC Standard

- 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
- Wired or Wireless Ethernet

SRC Extended

- Add on Modules to the SRC Standard
- Choice of Analog Module
 - 4 Analog Inputs 0 mA - 20 mA
 - 4 Analog Inputs 0 v - 10 v
- Additional 8 Digital Inputs
- Detects State, Alternating, and Latching
- Configurable for State or Counters

SRC Standard

Digital Inputs for Status and Counters

The Standard SRC has 4 digital inputs that can each be configured 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 to function as a counter.

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

SRC Extended

Analog Data Acquisition & Extended Digital Functionality

The Extended SRC has all of the functionality of the Standard SRC with the addition of up to 4 analog inputs and 8 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 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.