

SW-IP

Network Contact Closure Switch

- Remote Ethernet Contact Closure Switch
- Works with OM 1000 in Cable Hubs
- Standalone Device Works with EASyPLUS
- Simple Configuration Using EASyPLUS Software
- Specific IP Address for FIPS-Based Message Routing

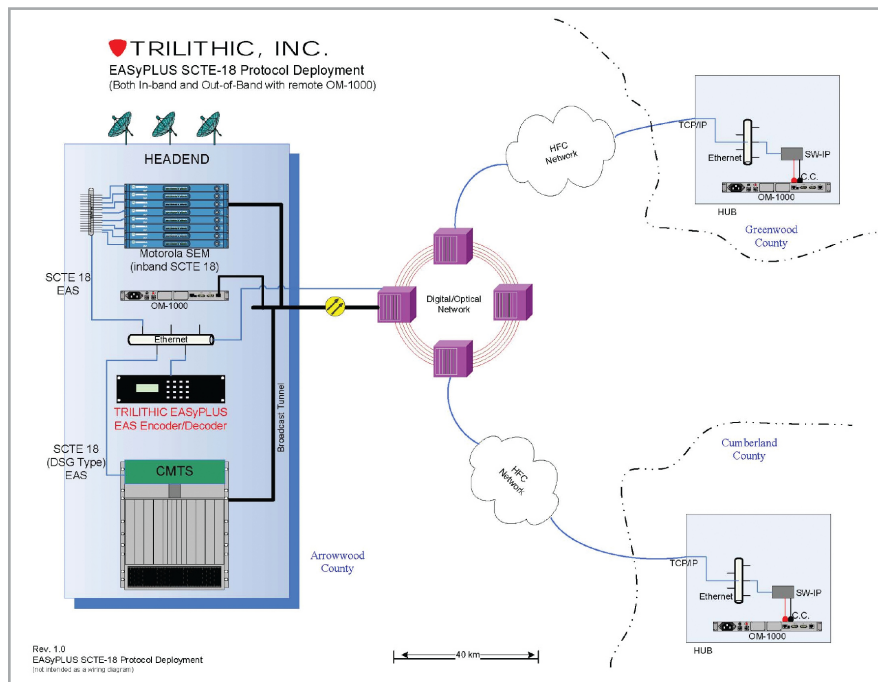


The Trilithic SW-IP™ is a device that can be used as a remote contact closure that uses an IP message to activate. When used in conjunction with the EASy series encoder/decoders, the SW-IP can be used for remote switching applications including activation of set-top controller servers or other remote devices. Simply connect the SW-IP to the device that needs to be activated and the management network. Program the EASy series encoder/decoder to send IP-based messages to the SW-IP to activate the appropriate device.

While many IP-based switching systems require transmitters and receivers, Trilithic has implemented the control of the devices within the operating firmware of the EASy series encoder/decoder. This not only provides ease of use, it also reduces the number of IP addresses required to implement the system and reduces the cost to deploy. The Trilithic configuration software contains the set up for the messages and the appropriate devices that are addressed and triggered when required.

The firmware provides for location code routing of EAS messages to the associated SW-IP devices.

The SW-IP contains eight relay contacts that can be addressed by either the EASyPLUS or EASyCAST EAS system. These contacts are normally open, but change states during EAS operations.



The SW-IP remote contact closure switch is shown in a cable system installation, however it is equally well suited for installation within a broadcast system.

SPECIFICATIONS (P/N 2010860001)

Input	<p>8 digital inputs</p> <p>Dry relay/switch closures or ± 3 VDC to ± 30 VDC</p> <p>2 terminals per input (common ground)</p> <p><i>Inputs are not used in this application</i></p>
Output	<p>8 dry contacts</p> <p>3 terminals per relay output (Form C)</p>
Control Relays	<p>Maximum current 0.5 A @ 120 VAC or 1 A @ 24 VDC</p> <p>Switching power 60 VA max 50 μW min</p> <p>Switching voltage 120 VAC or 60 VDC max 1 VDC min</p> <p>Switching current 2 A max 1 mA min</p> <p>Resistance 100 mΩ (initial value)</p> <p>Operations 5 million cycles (mechanical) 100,000 cycles at maximum load</p>
LED Indicators	<p>8 input</p> <p>8 output</p> <p>Network link and activity</p> <p>Remote link status</p> <p>Power</p>
Communication	10/100 Base-T Ethernet
Network Protocols	<p>HTTP web server</p> <p>DHCP-assigned or static IP address</p> <p>Selectable port for HTTP, and inter-device communication</p> <p>Inter-device communication via TCP/IP</p>
Power	105 to 240 VAC (50/60 Hz) or +5 VDC (with AC power supply)
Environmental	<p>Temperature 0° to 70° C (32° to 158° F)</p> <p>Humidity 90 percent (non-condensing)</p>
Dimensions (H x W x D)	1.75" x 5.25" x 5.50" (44mm x 133mm x 140mm)