System Studies Incorporated

# Sparton Subscriber Line Adapter Module

## Making Sparton-to-289H LSS monitor replacement a snap

The 289H LSS monitor has long been without rival in terms of value, performance, dependability and capability. What once served as a simple data-gathering device, has progressively evolved into the most feature-rich and powerful cable pressurization monitor available anywhere. A full complement of diagnostic functions, the capability of placing pseudo-data tone and locator tone on device pairs, and an ever-expanding list of readable device types have effectively raised the performance standard of the 289H LSS beyond the reach of other monitors.

While operational simplicity was once the catchword during the early days of the 289H LSS, simplicity in Sparton monitor replacement is now the buzz among our many Telco customers. With the introduction of the Sparton Dedicated Replacement Card (P/N 9800-6116) and now the Sparton Subscriber Line Adapter Module (P/N 9800-6046), Telcos have exactly what's needed to streamline the process of changing out monitors. Both products eliminate the need for costly re-wiring of connector blocks and running new jumpers in the central office. They enable you to disconnect the existing cables from your Sparton monitor and snap them into the appropriate connectors on the 289H equipment. What could be simpler?

### How it works

The Sparton Subscriber Line Adapter Module (SSLAM) is a central office component that enables the 289H LSS to work with existing Sparton subscriber blocks.* The SSLAM consists of twelve 25-pair female amphenol connectors separated into two groups of six and mounted to two 24-inch wide mounting bars. The first six amphenol connectors are grouped together on one side of the SSLAM and are used to accept two sets of subscriber line A, B and C cables from two Sparton Telxon subscriber blocks. The remaining group of six connectors is used for the cables to the 289H LSS subscriber relay cards. Sparton subscriber modules have three 25-pair amphenol connectors (for Sparton cables A, B and C) to accommodate a total of 36 measurement points from the Sparton blocks. Since the monitoring pairs are not ordered sequentially (which is a requirement for the 289H LSS), the Sparton Subscriber Line Adapter Module is necessary to translate or convert the monitoring points from the Sparton subscriber module to the 289H subscriber card. The conversion is achieved during manufacturing of the SSLAM by cross-wiring the conductors that run from the Sparton side of the SSLAM to the 289H side.

### Data Conversion

One Sparton Subscriber Line Adapter Module accommodates two subscriber blocks (up to 72 monitoring pairs). On the 289H end, three Subscriber Relay Cards are required for this 72-pair total, with each card utilizing only the first 24 of its maximum 25 relays. To assist in converting a Sparton office's PressureMAP device data into 289H LSS format, a PressureMAP Access Number Conversion Chart is included with the SSLAM Installation Instructions. This chart maps the Sparton Input Number to the 289H LSS Access number. Additional data entry procedures are described in Section 10 of the MAP System Data Entry manual.

With the bulk of the time-consuming, manual cutover process eliminated by using a Sparton Subscriber Line Adapter Module, only a simplified data entry procedure is required to fully utilize the many capabilities and benefits of the 289H LSS monitor.

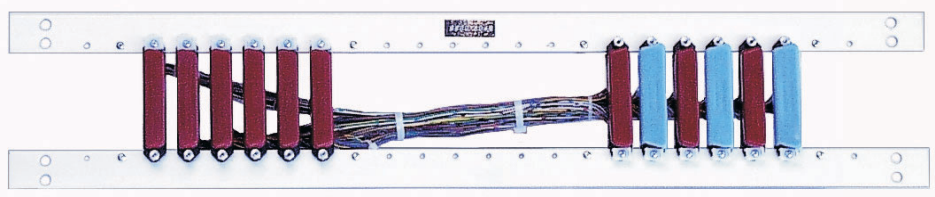
### Specifications

**Features:**

- Translates Sparton A, B and C cable pinouts
- Translates two subscriber blocks (72 pairs)

**Physical:**

- 24" x 4" x 3" overall dimension
- Two Aluminum, pre-drilled mounting bars
- Plexiglas protection shield (for conductor wires)
- 6 standard female amphenol cable connectors mounted on left (for Sparton A, B, and C cables)
- 6 standard female amphenol cable connectors mounted on right (for 289H cables)
- Mounting hardware for 3" x 23" equipment rack



* For information about replacing Sparton monitors that use dedicated transducer pairs, refer to the Sparton Dedicated Replacement Card product sheet (2980203.*HD)

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