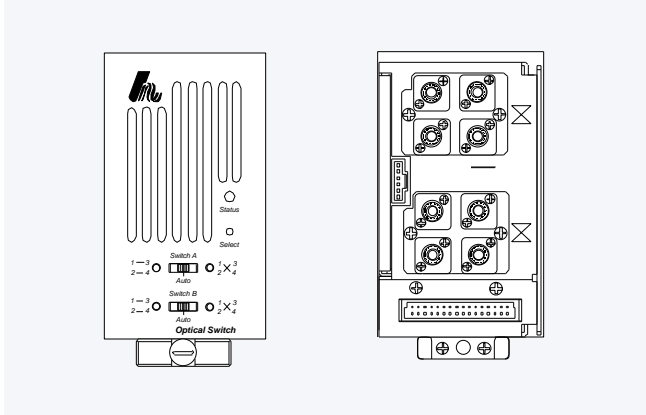


Optical Switch Module



Advantages

The optical switch module enhances the advantages of the HL 4000 System in many ways:

- Back-up capabilities reduce system costs by eliminating the need for back-up transmitters.
- Automatic switching capabilities increase system reliability and reduce system down time.
- Local or remote control of switches provides flexibility in configuration and operation.
- Simple “plug and play” operation reduces time and cost of installation, allowing for easy system upgrades.

Applications

- Redundant rings
- Route diversity

Product Description

The HOS 4000 optical switch is a plug-in module for the HL 4000 System that facilitates automatic and cost-effective network backup and redundancy capabilities, increasing optical distribution plant reliability and providing for a self-healing network. The HOS 4000 module is available in two model configurations: the HOS 4000-22, containing a single 2 x 2 optical switch, and the HOS 4000-22/22, containing two 2 x 2 optical switches. Each optical switch has two optical inputs and outputs, and can be operated as a 2 x 2, 1 x 2, or a 2 x 1 optical switch. The optical switch is an optomechanical device activated by means of an electromechanical actuator, and can be latched in either of two positions, bar or cross.

There are four sources to control the optical switch position: the manual switch selector on the front panel, the NMS 5000 Network Management System, the HLP 4000 display panel, and the external input control from the back panel connector. The switch is fully connectorized with FC/APC connectors with a typical 1.2 dB insertion loss.

Standard Configuration

