SEL-2505
Remote I/O Module

Part Number: 2505 XX

Power Supply
12/24 Vdc\(^{(1)}\)  1
48/125 Vdc or 125 Vac  3
125/250 Vdc or Vac  4

Communications Port
EIA-232, DB-9 Connector  0
SEL-2800 Compatible (V-pin connector, multimode, 500m range)  1
SEL-2815 Compatible (ST connector, multimode, 15km range)\(^*\)  2
SEL-2830 Compatible (ST connector, single-mode, 80km range)\(^*\)  3
SEL-2812 Compatible (ST connector, multimode, 4km range)\(^*\)  6

Control Input Voltage
12 Vdc\(^{(2)}\)  1 0
24 Vdc  1
48 Vdc  2
110 Vdc  3
125 Vdc  4
220 Vdc  5
250 Vdc  6

* Additional Cost

\(^{(1)}\) The 12/24 Vdc power supply can only be ordered with 12 Vdc or 24 Vdc Control Input Voltage.
\(^{(2)}\) The 12V control input is only available with the 12/24 Vdc power supply.
\(^*\) Includes one 91560 attenuator for use on links less than 16 km (2830 compatible) or 2 km (2815 compatible).

Complete Your Order
The SEL-2505 Remote I/O Module translates between device I/O and Mirrored Bits®. There are at least three methods for transferring Mirrored Bits between devices. Method 1. Connect two SEL-2505 Modules together using fiber-optic cable. Method 2. Connect one end of the fiber-optic cable to an SEL-2505 Module and the other end to a Mirrored Bits port on an SEL device. Method 3. Connect a copper cable between an SEL-2505 and another SEL device in the same cabinet. To complete your order, select the additional components outlined in the alternatives below.

<table>
<thead>
<tr>
<th>Max Distance</th>
<th>15 Meters</th>
<th>500 Meters</th>
<th>15 Kilometers / 4 Kilometers</th>
<th>80 Kilometers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>EIA-232</td>
<td>SEL-2800MI</td>
<td>SEL-2815 / SEL-2812MR</td>
<td>SEL-2830M</td>
</tr>
<tr>
<td>Connector</td>
<td>9-Pin D</td>
<td>V-Pin</td>
<td>ST</td>
<td>ST</td>
</tr>
<tr>
<td>Cable</td>
<td>SEL-C272A Copper Data Cable</td>
<td>Use SEL-C805 Multimode Fiber-Optic Cable (WI-4092)</td>
<td>Use SEL-C807 Multimode Fiber-Optic Patchcord (WI-4132)</td>
<td>Use SEL-C809 Single-Mode Fiber-Optic Patchcord (WI-4133)</td>
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</table>
Methods of Connecting to the SEL-2505

Method 1

SEL RTAC

SEL-C273A Cable

SEL-2505

Method 2

SEL Relay or SEL-2100

SEL-C273A Cable

SEL-2505

Method 3

SEL-2505

Fiber-Optic Cable

SEL-2505

Method 4

SEL Relay or SEL-2100

SEL Fiber-Optic Transceiver

Fiber-Optic Cable

SEL-2505

Making Electric Power Safer, More Reliable, and More Economical®

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