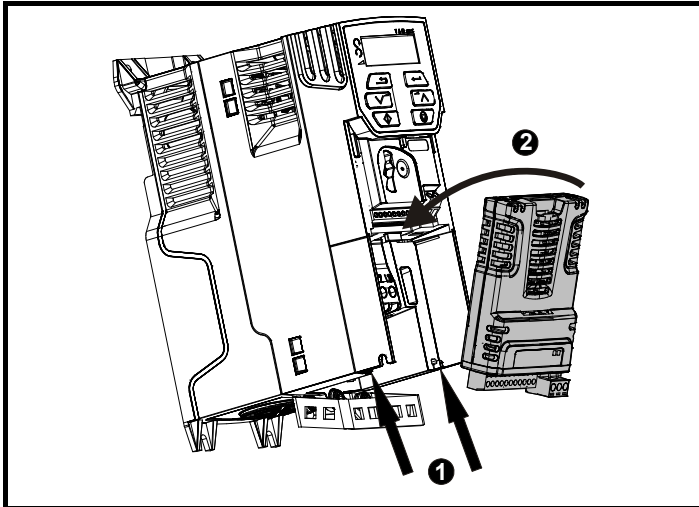


# Option Module Installation: Automation (I/O Expansion)



**CAUTION:** Power down the drive before installing / removing option modules. Failure to do so may result in damage to the product. Refer to section *Safety Information* in the appropriate drive manual.

**Figure 1-1** Installation of an SI option module on General Purpose drives (sizes 2 to 4)

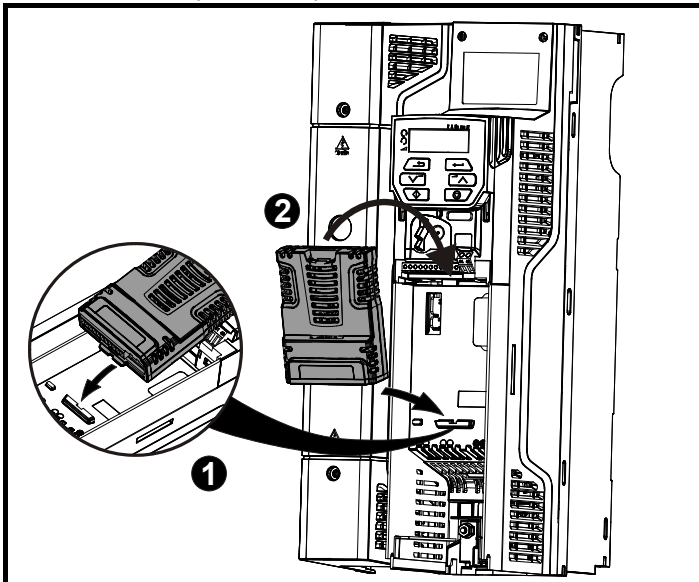


- With the option module tilted slightly backwards, align and locate the two holes in the rear of the option module onto the two tabs (1) on the drive.
- Place the option module onto the drive as shown in (2) until the module clicks into place. The terminal cover on the drive holds the option module in place, so this must be put back on.

**NOTE**

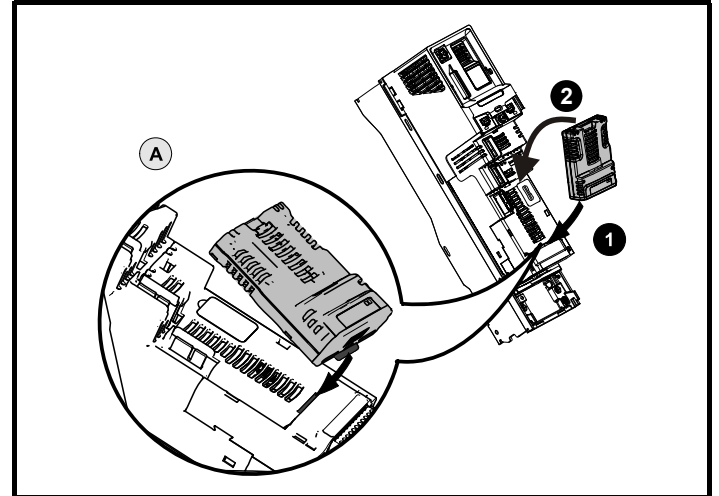
Option modules can only be installed on drives that have the option module slot functionality.

**Figure 1-2** Installation of an SI option module on General Purpose drives (sizes 5 to 8)



- Place the option module onto the drive as shown in (2) until the module clicks into place. The terminal cover on the drive holds the option module in place, so this must be put back on.

**Figure 1-3** Installation of an SI option module on High Performance drives (excluding Digitax HD)

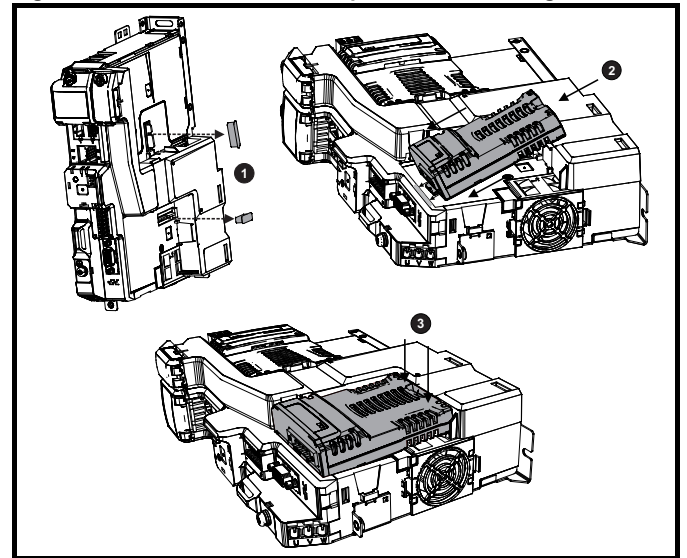


- Move the option module in direction shown (1/2).
- Align and insert the option module tab in to the slot provided, this is highlighted in the detailed view (A).
- Press down on the option module until it clicks into place.

**NOTE**

Option module slots must be used in the following order: Slot 3 (lower), Slot 2 (middle) and then Slot 1 (upper).

**Figure 1-4** Installation of an SI option module on Digitax HD



1. Remove the protective interface card covers.
2. Align and insert the option module tab into the slot on the drive plastic.
3. Once the option module tab is located into the slot on the drive, push down at the rear of the option module until it clicks into place.









**NOTE**

Once fitted, the SI option module remains at an angle with respect to the drive.

**NOTE**

When connecting SI option modules, an additional SI option mounting kit is required for the Digitax HD M75X series, if the drive is not supplied with a SI option mounting kit fitted. The SI option mounting kit can be ordered from the supplier of the drive. Refer to the Digitax HD M75X Series Installation and Technical Guide for further information.



Module	Colour	Terminal information																																																																																																
 <p><b>SI-I/O</b></p>	Pastel Orange (RAL 2003)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>PL1: 3.81 mm pitch pluggable</p> <table border="1"> <thead> <tr> <th colspan="4">PL1 Function</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0V common</td> <td>7</td> <td>Analog Input 1 / Digital Input 5</td> </tr> <tr> <td>2</td> <td>Digital IO 1</td> <td>8</td> <td>Analog Input 2 / Digital Input 6</td> </tr> <tr> <td>3</td> <td>Digital IO 2</td> <td>9</td> <td>Analog Input 3 / Digital Input 7</td> </tr> <tr> <td>4</td> <td>Digital IO 3</td> <td>10</td> <td>0V common</td> </tr> <tr> <td>5</td> <td>Digital IO 4</td> <td>11</td> <td>Analog Output 1 / Digital Input 8</td> </tr> <tr> <td>6</td> <td>0V common</td> <td></td> <td></td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <p>PL2: 5.08 mm pitch pluggable</p> <table border="1"> <thead> <tr> <th>PL2</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>Relay 1</td> </tr> <tr> <td>22</td> <td>Relay common</td> </tr> <tr> <td>23</td> <td>Relay 2</td> </tr> </tbody> </table> </div> </div>	PL1 Function				1	0V common	7	Analog Input 1 / Digital Input 5	2	Digital IO 1	8	Analog Input 2 / Digital Input 6	3	Digital IO 2	9	Analog Input 3 / Digital Input 7	4	Digital IO 3	10	0V common	5	Digital IO 4	11	Analog Output 1 / Digital Input 8	6	0V common			PL2	Function	21	Relay 1	22	Relay common	23	Relay 2																																																												
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For full details on any of the option modules, please refer to the appropriate option module user guide.



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