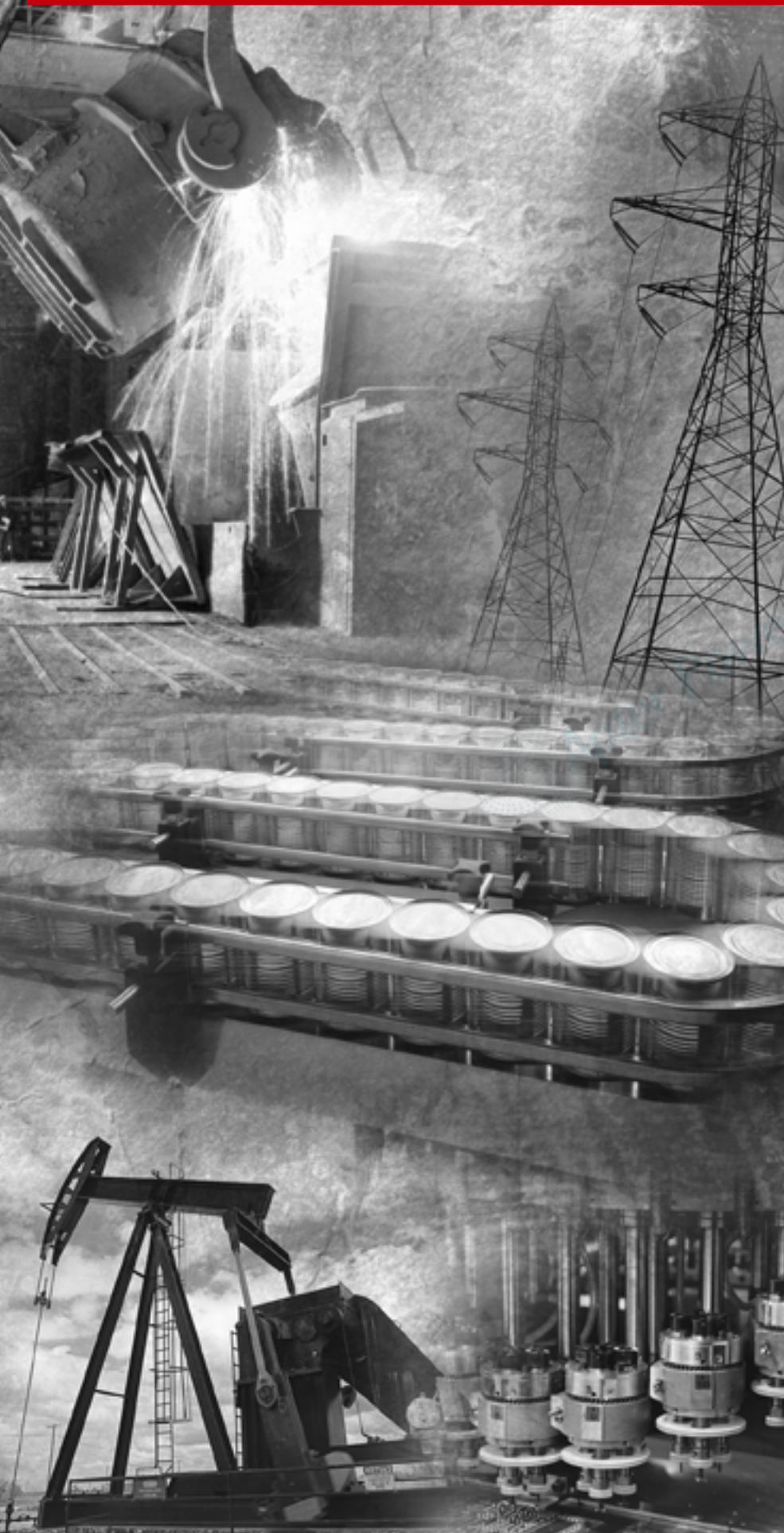




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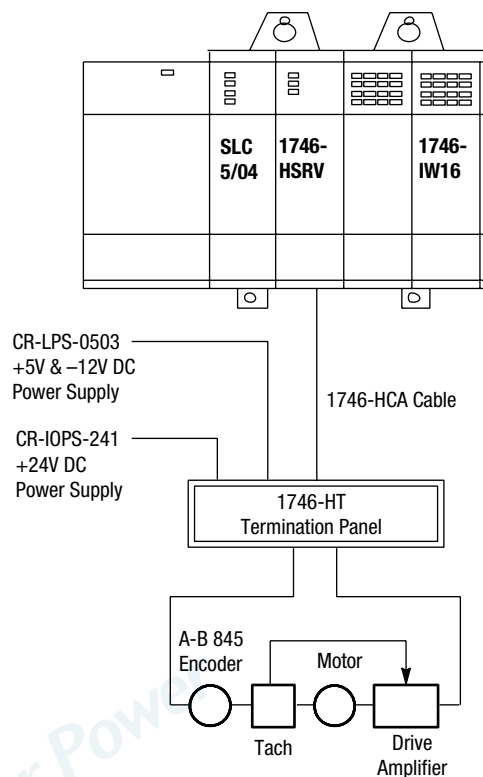
SLC[™] Servo Control Module

(Catalog No. 1746-HSRV)

User Manual

**Rockwell
Automation**

Figure 1.1 Example of an SLC Wiring



SLC Servo Module Operation

The SLC Servo Module, compatible with the SLC family, is used with SLC 5/03 FRN 5.0 (and above) processors using RSLogix 500, AI500 or APS (version 5.0 or higher) software. Once the SLC processor is initiated, the execution of the motion block is independent of the scan time of the processor. Blended motion allows for complicated move profiles consisting of two to thirty-two segments. The blended move profiles are stored in the SLC Servo Module's memory as a series of absolute moves and can be executed more than once. Other move or homing operations can be performed between blended move profiles.

The SLC Servo Module controls absolute position over a range of 32 bits. The SLC Servo Module performs an origin search (also called homing) and automatically resets the absolute position to the home position when the SLC processor requests a search function after detecting one of the following:

- Encoder marker
- Limit switch
- Limit switch and marker

Connecting the Termination Panel

After mounting the termination panel, connect it to the SLC Servo Module with the 1746-HCA cable. To connect the termination panel to the SLC Servo Module:

1. Set the locking latches above and below the connector so the latch reads OPEN.
2. Open the door of the SLC Servo Module.
3. Hold the connector as shown in Figure 4.5 (left) and insert it into the D-sub connector on the SLC Servo Module until the connector is seated.
4. Insert a small, flat-edge screwdriver next to the locking latch located between the module door and connector.
5. Slide the locking latch to the right with your screwdriver.
6. Insert the small, flat-edge screwdriver next to the locking latch located between the module door and connector.
7. Slide the locking latch to the left with your screwdriver.
8. Connect the other end of the cable to the 1746-HT termination panel, as shown in Figure 4.5 (right).

Figure 4.5 Connecting the 1746-HCA-Cable

