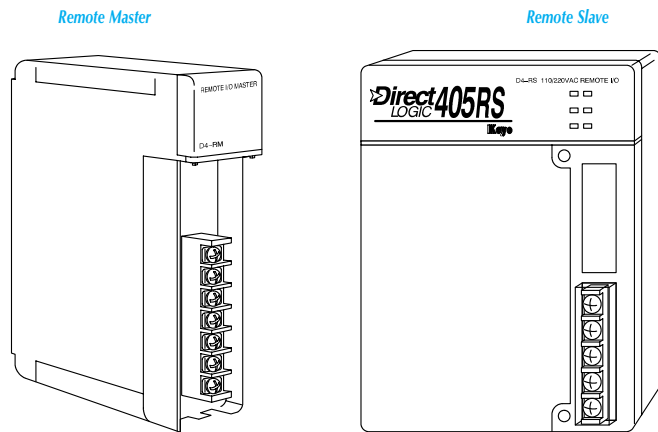
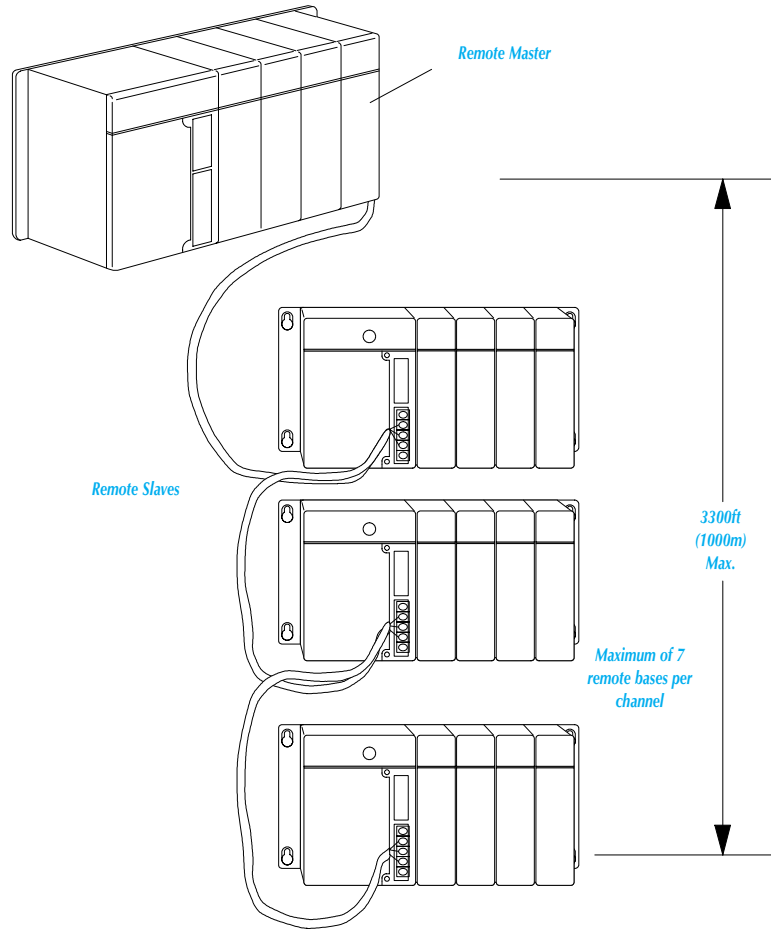


D4-RM D4-RS D4-RSDC

The DL405 offers full-size remote I/O. The goal of remote I/O is to reduce wiring cost by allowing I/O points to be located near the devices they are controlling. The chart at the bottom of this page shows the capacity for each CPU. The D4-450 has the D4-RM functionality built into the 25-pin port directly on the CPU. However, you can also choose to use the D4-RM discussed here. Here's how it works: A special module called the Remote Master is placed in the CPU base. This Master module controls up to 7 Remote Slaves. The Remote Slaves are connected to the Master in a daisy-chain manner over a twisted pair communication cable (maximum length of 3300 feet or 1000m). Each Remote Slave attaches to a DL405 base (any size). Standard DL405 modules populate the remote bases.

You can assign normal input and output addresses to the remote points, or you can assign special remote I/O addresses. The Remote Master sends the remote I/O information to the CPU. The communication between the Remote Master and the CPU is asynchronous to the CPU scan. For this reason, remote I/O applications should be limited to those that do not require the remote I/O points to be updated with every CPU scan.



	D4-450	D4-440	D4-430
Max. number of remote masters supported	3*	2	2
Maximum I/O points supported	1536	1024	512
Maximum I/O points supported per channel	512	512	512
Maximum number of remote I/O bases per channel	7	7	7

*max. of 2 D4-RM, 1 channel is via 25-pin CPU port

