

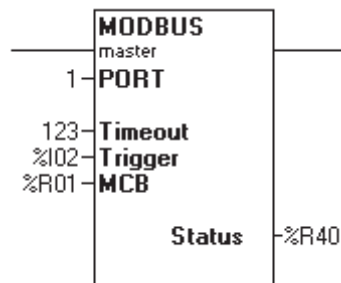
Master Mapping

To access a controller's point over Modbus, the master must be configured as to the point's type and offset. This is usually accomplished with one of two methods. The first method uses the traditional addressing scheme where the high digit represents the point's type and the lower digits represent the point's offset (starting with point 1). Since only four types can be represented in this manner, the Modbus function packs several controller data tables into a single point type array.

The Traditional RTU Reference column below specifies the starting address of each controller table. The second method requires the master to be configured with the specific Modbus command and offset. The supported Modbus commands and the associated offset are also illustrated in the following table.

Controller Reference	Maximum Range	Traditional Modbus Reference	Modbus Command(s)	Modbus Offset
%I1	2048	10001	Read Input Status (2)	00000
%IG1	256	13001		03000
%S1	256	14001		04000
%K1	256	15001		05000
%Q1	2048	00001	Read Coil Status (1)	00000
%M1	2048	03001	Force Coil (5)	03000
%T1	2048	06001	Force Multiple Coils (15)	06000
%QG1	256	09001		09000
%AI1	512	30001	Read Input Register (4)	00000
%AIG1	32	33001		03000
%SR1	32	34001		04000
%AQ1	512	40001	Read Holding Register (3) Load Register (6) Load Multiple Registers (16)	00000
%R1	2048	43001		03000
%AQG1	32	46001		06000

MODBUS MASTER



Modbus Master

PORT is the comm port previously open by the ladder program with **Protocol** set to Modbus ASCII or Modbus RTU.