

# Applications I

## Sprinkler System Control



### ● Bit Logic, Weekly Timer, and Calendar Timer Applications

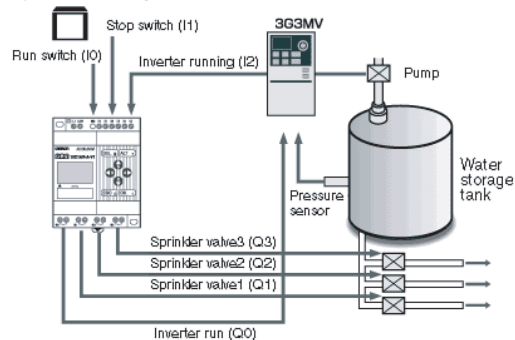


Watering times can be changed as shown below to match the hours of sunlight.

Water at 4:00 from May to July  
 Water at 5:00 from August to October  
 Water at 6:00 from November to January  
 Water at 5:00 from February to April

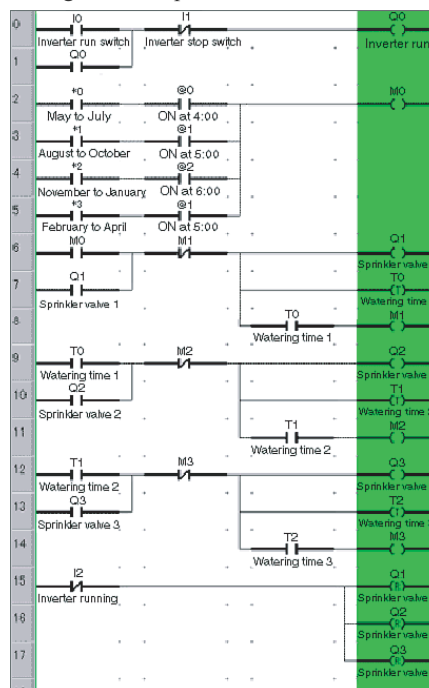
At these times, sprinkler valve 1 turns ON for 10 minutes. Next, sprinkler valve 2 turns ON for 10 minutes. Finally, sprinkler valve 3 turns ON for 10 minutes.

#### ■ System Configuration



\*The 3G3MV has built-in PID function that allows the Inverter to control pressure inside the water storage tank.

#### ■ Program Example



#### \*Precautions:

Outputs Q1 to Q3 are also used for reset output in this program. A warning may be issued for duplicate output use as a result, but this does not hinder operation. In this program example, reset operation has priority over normal output. This means that normal outputs Q1 through Q3 do not turn ON when the reset output is ON.

<b>May to July setting #0</b> *0 A ON 05 / 01 OFF 07 / 31	<b>August to October setting #1</b> *1 A ON 08 / 01 OFF 10 / 31	<b>November to January setting #2</b> *2 A ON 11 / 01 OFF 01 / 31	<b>February to April setting #3</b> *3 A ON 02 / 01 OFF 04 / 30
<b>4:00 setting #0</b> @0 A ON 04 : 01 OFF 04 : 01 ON from 4:00 to 4:01 Sprinkler valve 1 setting T0 T0 X M:S A TOS RES 10 : 00 ON for 10 minutes	<b>5:00 setting #1</b> @1 A ON 05 : 00 OFF 05 : 01 ON from 5:00 to 5:01 Sprinkler valve 2 setting T1 T1 X M:S A TOS RES 10 : 00 ON for 10 minutes	<b>6:00 setting #2</b> @2 A ON 06 : 00 OFF 06 : 01 ON from 6:00 to 6:01 Sprinkler valve 3 setting T2 T2 X M:S A TOS RES 10 : 00 ON for 10 minutes	