

I Applications I

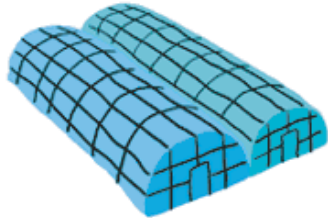
Greenhouse Air Circulation Control

Intermittent operation of circulation fans on winter nights.

(1)



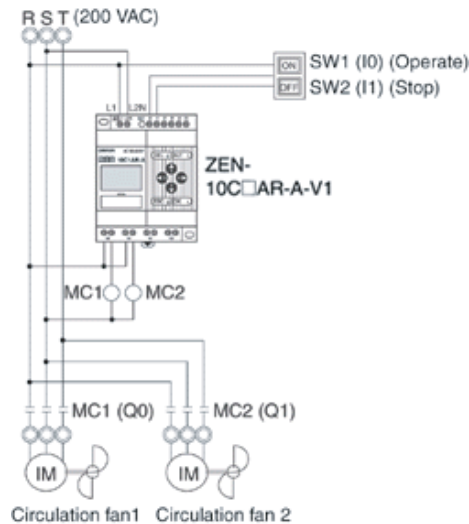
Calendar Timer and Weekly Timer Application



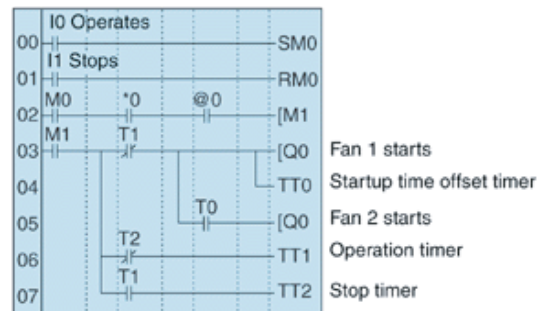
The ZEN can be used to operate circulation fans only at night (19:00 to 6:00) during winter (November 15 to March 30). During operating times, the fans operate intermittently, 60 minutes ON and 30 minutes OFF. The fans start up 30-s apart to keep the startup current down.

The start and stop days during winter (November 15 to March 30) are set using the calendar timer (*0). Start and stop times during the night (19:00 to 6:00) are set using the weekly timer (@0). The staggered startup time and run/stop cycles are set using timers (T0 to T2).

System Configuration



Program Example



Parameter Settings

Calendar Timer Setting *0

*0	A
ON	11/15
OFF	03/21

Start Nov 15 and stop Mar 21

Weekly timer setting @0

@0	SU-SA A
ON	19:00
OFF	06:00

Start at 19:00 and stop at 6:00

Offset startup time setting T0

T0	X	S	A
TRG			
RES	30.00		

Set to 30 seconds.

Operation time setting T1

T1	X	H:S	A
TRG			
RES	01.00		

Set to 1 hour.

Stop time setting T2

T2	X	M:S	A
TRG			
RES	30.00		

Set to 30 minutes.