PROGRAM PWM

```
VAR
Time : REAL; (* Time (mS) *)
Out : BOOL; (* Frequency output *)
CPUDO : SysSetPhrDO; (* CPU module digital output *)
TimeBf : UDINT; (* Reference time (uS) *)
ABf : BOOL; (* Auxiliary buffer *)
END_VAR
```

```
(* ********************************************************************** *)
(* PROGRAM "PWM"                                                          *)
(* ********************************************************************** *)
(* Questo programma gestisce una uscita PWM. Il programma è eseguito nella    *)
(* task fast.                                                             *)
(* ---------------------------------------------------------------------- *)

    IF SysFirstLoop THEN
        TimeBf:=SysGetSysTime(TRUE); (* Reference time (uS) *)
        ABf:=SysSetTaskLpTime(TaskID:=ID_TASK_FAST, Time:=100); (* Set time 100 uS *)
    END_IF;

    (* Check if time is passed and invert the logic output state. *)

    IF ((SysGetSysTime(TRUE)-TimeBf) >= TO_UDINT(Time*1000.0)) THEN
        TimeBf:=SysGetSysTime(TRUE); (* Reference time (uS) *)
        Out:=NOT(Out); (* Frequency output *)

        (* Gestione uscita digitale. *)

        CPUDO.Address:=255; (* Module address *)
        CPUDO.Mode:=DO_8_LL; (* Output mode *)
        CPUDO.Value:=Out; (* Output value *)
        CPUDO(); (* CPU module digital output *)
    END_IF;

(* [End of file] *)
```

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	Release : PWMOut	Ver :1.00
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