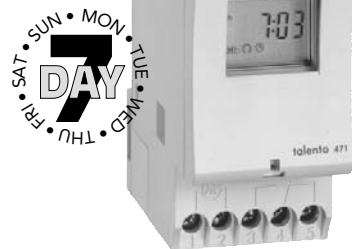




talento 894



talento 471



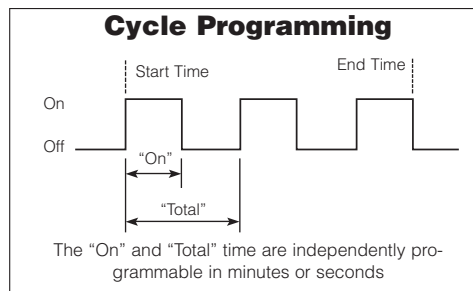
(in optional enclosure)



## talento 400 & 800 Series 24-Hour, 7-Day, 365-Day Electronic Time Controls

### Features

- 1, 2 & 4 channels
- Automatic leap year and daylight savings adjustment
- "Pulse" and "Cycle" programming
- Lithium battery backup for clock
- EEPROM Non-Volatile program memory
- Astronomical function



The talento series electronic time switches provide time-of-day control for lighting, heating, air conditioning, pumps, motors or general electrical circuits. The "400" series are 24-hour/7-day controls, while the "800" series units offer 365-day programming with holiday capability through the year 2095.

All models offer automatic leap year and daylight savings adjustment. These features are activated when the user enters the current date and respective daylight savings time change-over dates. From that point on, daylight change-over dates will never have to be entered again.

A LCD indicates the load status, time-of-day, weekday and on the "800" series, the date. The units can be surface mounted, mounted to a standard DIN rail or within a Grasslin enclosure for stand-alone installations. Enclosure options include indoor or outdoor plastic (with solid or clear cover) or indoor metallic.

In addition to the conventional On/Off programming format, these units offer **pulse** and **cycle** functions. A **pulse** is simply an **on** or **off** event with a duration of one or more seconds. The **cycle** function provides for a repeating **on** event within a selectable **total** cycle. Both the **on** duration and the **total** cycle duration are independently programmable in minutes or seconds. In addition, the **cycle** function can be set to repeat indefinitely or to occur within a time and/or date range.

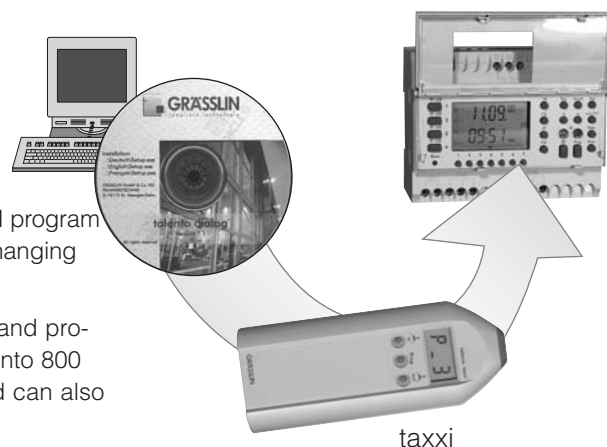
### Remote PC Programming

The talento 800 series can be programmed from a PC utilizing the optional **talento dialog set**. The set includes Windows®-based software, the **taxxi** hand-held programmer, CD Rom, interconnect cable and instructions.

The software contains a schedule of **fixed** and **floating** holidays that can be selected, as required, for the particular application. **Floating** holidays will automatically repeat on the correct date, year after year. Thus, all **fixed** and **floating** holidays need only be programmed once. In addition, an **astronomical** program is included which will automatically adjust the program schedule to follow the changing sunrise and sunset times.

Once the programming is completed on the PC, it is transferred to the **taxxi** hand programmer from which programs are downloaded into one or more installed talento 800 series time controls. The **taxxi** can store up to four independent programs and can also upload a program from the talento into a PC for review or editing.

### Remote PC Programming



# ELECTRONIC TIME CONTROLS, 1, 2, 4 & 8 CH.

Specifications & Features	471	472	891	892	894
Power Supply	24VAC/DC, 120VAC, 240VAC				
Switch Rating	16A @ 250VAC				
Switch Output	Isolated SPDT (1 per channel)				
Channels	1	2	1	2	4
Battery Backup	Lithium, 3 Years		Lithium, 6 Years		
Minimum Switching Interval	1 Second				
Switch Program	24-Hour, 7-Day		24-Hour, 7-Day, 365-Day		
Program Capacity	30	40	400		
Operating Modes	Auto., Temporary On, Temporary Off, Fixed On, Fixed Off				
Pulse Programming	Yes				
Cycle Programming	Yes				
Daylight Savings Time Change-over	Manual or Automatic				
LCD Display	Time, Day, Output Status		Time, Day, Date, Output Status		

## SPECIFIERS GUIDE

### 800 Series

The contractor shall furnish and install a Grasslin **talento 894, 4 channel (892, 2 channel / 891, 1 channel)** electronic time switch. Each channel shall be independently programmable. A total of 400 events shall be provided. The time switch shall offer daily, weekly or annual programming capability with up to 99 separate holiday periods of any duration and priority. Three types of switching commands shall be provided; on/off, pulse and cycle. Automatic or user selectable daylight savings time change-over shall be incorporated through the year 2095. An optional Windows®-based software program shall be available for remote programming capability. It shall provide full graphic indication of the switching schedule. It shall also include a database of fixed and floating holidays. Floating holidays will automatically repeat each year on the correct date. An astronomical program shall be included which will automatically adjust the switch event schedule according to the changing sunrise and sunset times. A LCD shall be provided to indicate the current time, date, switch contact status and program schedule. A replaceable lithium battery shall be provided to maintain the current time and date in the event of a power failure for up to six (6) years; the switch program shall be stored in non-volatile (EEPROM) memory. The SPDT switch contacts shall be rated for 16A at 250VAC. Time switch supply voltage shall be 24VAC/DC or 120VAC or 240VAC. The time switch shall be capable of surface or DIN rail mounting or it can be provided in an indoor or outdoor (NEMA 1 or 3R) enclosure. It shall be UL, C-UL recognized, and UL/C-UL listed in optional enclosure.

### 400 Series

The contractor shall furnish and install a Grasslin **talento 472, 2 channel (471, 1 channel)** electronic time switch. Each channel shall be independently programmable. A total of 40 (30, 471) events shall be provided. The time switch shall offer daily or weekly programming. Three types of switching commands shall be provided; on/off, pulse and cycle. Automatic or user selectable daylight savings time change-over shall be incorporated through the year 2095. A LCD shall be provided to indicate the current time, day, switch contact status and program schedule. A lithium battery shall be provided to maintain the current time and date in the event of a power failure for up to three (3) years; the switch program shall be stored in non-volatile (EEPROM) memory. The SPDT switch contacts shall be rated for 16A at 250 VAC. Time switch supply voltage shall be 24VAC/DC or 120VAC, or 240VAC. The time switch shall be capable of surface or DIN rail mounting or it can be provided in an indoor or outdoor (NEMA 1 or 3R) enclosure. It shall be UL, C-UL recognized, and UL/C-UL listed in optional enclosure.

## SRS 3800 8 CHANNEL, 7 Day

Time of day ON/OFF control of 8 circuits of HVAC systems, zone heating, industrial processes, alarm systems, lighting, fans, pumps or other loads in commercial, industrial, institutional, and agricultural facilities. A simple and effective energy management system for small and mid-sized office buildings, schools, banks, malls, and government buildings.

### Features

- Eight channel electronic time switch
- 7 day programming
- 2 ON and 2 OFF settings per day
- On-Off-Auto Override for each channel
- Holiday "OFF" provision
- Indoor/Outdoor enclosure w/clear door
- Battery backup for 1 month
- 10 Amp, SPDT switching



### SPECIFICATIONS

Input: 120V 50/60 Hz, 12VA power draw  
 Output Switches: 6 SPDT, 2 SPST (NO)  
 Switching Capacity: 10A Resistive, 120-240VAC  
 Shortest Switching Time: 1 minute  
 Ambient Temperature: 14°F to 122°F (-10°C to 50°C)  
 Ambient Humidity: 0 to 95% RH, non-condensing  
 Manual 3-way Override: Auto-On-Off  
 "ON" or "OFF" status indicator for each channel  
 Wiring Connections: Screw terminals, 12-24AWG  
 Size: 8.38 (213mm) x 7.08" (180mm) x 4.5" (114mm)