

# Mechanical Cycle Time Switches

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#121>

<http://waterheatertimer.org/Cycle-timers.html>

## Talento 121

### One-Hour Repeat Cycle Time Switch

#### Features:

- Synchronous motor driven mechanical one hour time switch
- Low cost repeat cycle timer for industrial processes and other applications
- Provides continuous ON and OFF cycling of a load in a pattern which will repeat every hour
- Captive trippers allow setting up to 24 ON and 24 OFF times in 1.25 minute increments over a one hour period
- May be used in conjunction with an Intermatic 24-hour or 7-day time switch to provide repeat cycle timed switching only during selected periods of the day or week
- May be surface or DIN rail mounted with panels, or may be mounted in an Intermatic indoor or outdoor enclosure
- Available with or without 3-way override
- True clock face

**Switch Rating:** Each Pole; 40 Amp Resistive, 120-480 VAC; 40 Amp Tungsten, Inductive or 1000 VA Pilot Duty, 120-277 VAC; 2 HP (24 FLA), 120 VAC; 5 HP (28 FLA), 240 VAC single phase.

#### Specifications:

**Size:** 3.31 in. H x 2.13 in. W x 2.56 in. D

**Switch Output:** SPDT isolated contacts

16 Amp Resistive, 125-250 VAC

4 Amp Inductive, 125-250 VAC

1350 W Tungsten, 240 V

**Minimum Switching Time:** 1.25 Minutes

**Operating Temperature:** -40°F to 131°F

**Operating Humidity:** 0 to 95% RH

non-condensing

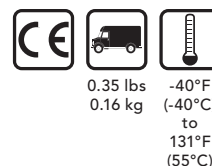
**Wiring Connections:** Screw terminals for up to #12AWG wire



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**Talento 121**



## FM1S12HU-120U

### 12-Hour Repeat Cycle Time Switch

The FM1S12HU-120U is a synchronous motor driven mechanical 12-hour time switch intended as a low cost repeat cycle timer for industrial processes and other applications. It provides continuous on and off cycling in a pattern which will repeat every 12 hours.

#### Features:

- 12-hour cycle
- SPDT 21A switch
- Flush, surface or DIN rail mounting
- Captive trippers allow setting up to 48 ON and 48 OFF times in 7.5 minute increments

#### Specifications:

**Size:** 3.25 in. H x 3.50 in. W x 2.25 in. D

**Supply Voltage:** 120 VAC

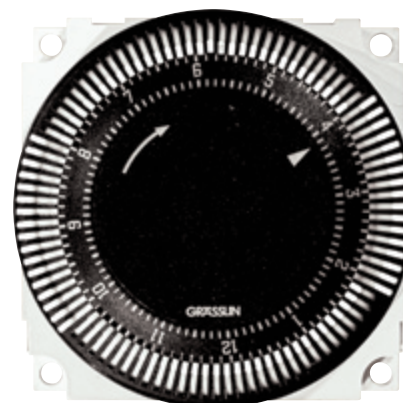
**Power Consumption:** 1 VA

**Switch Rating:** SPDT

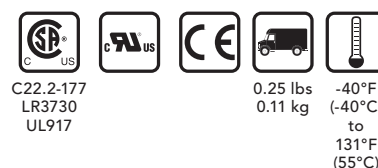
**Resistive:** 21 Amp, 250 VAC

**Inductive:** 1 HP, 125 VAC; 2 HP, 240 VAC

**Wiring Connections:** 1/4 in. quick-connects



**FM1S12HU-120U**



Model Number	Volts AC	Total Cycle Time	Min. ON/ OFF Time	Switch Output
TALENTO121-120	120	1 Hour	1.25 Minutes	SPDT, 16 Amp
TALENTO121-240	208-240	1 Hour	1.25 Minutes	SPDT, 16 Amp
GMX121-O-120 (in NEMA 3R enclosure)	120	1 Hour	1.25 Minutes	SPDT, 16 Amp
FM1S12HU-120U	120	12 Hour	7.5 Minutes	SPDT, 21 Amp