



## GM40 Series (24-Hour/7-Day)

The GM40 Multi-Volt Series Time Controls are universal, electromechanical time switches which can be field configured for various power supply voltages. The voltage options include 120VAC, 208/240VAC, and 277VAC, all within the same unit! Selection of the desired supply voltage is easily achieved by selecting the DIP to the corresponding input voltage. The mechanism is mounted in a compact NEMA 3R outdoor enclosure and features a DPDT switching configuration standard (i.e. two normally open and two normally closed contacts). All GM40 models are available as "Mechanism Only" (-M) for installation in other enclosures or control panels or "Bracket Mount" (-B). The GM40 is also available in a NEMA 1 Indoor Metal Enclosure (-IM).

The GM40 is a robust time switch capable of switching high amperage. Below are samples of the many applications where the GM40 can be used:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Purpose Electrical Circuits

**Amber and Green LED Lights Indicate Power and Status**

**Easy Multi-Voltage Field Adjustable DIP Switch for 120, 208/240, or 277 VAC**

**New Compact VALOX® NEMA 3R Outdoor Enclosure is Standard**

**Large Screw Terminals for Easy Wiring #8 AWG**

**Ground Lug Termination**

**Captive Trippers Can't Be Lost**

**Independently Adjustable Trippers at 15 Minute Intervals (2 hrs. for 7-day model)**

**True Clock Face with ON/OFF/AUTO Override Switch**

**NO TOOLS REQUIRED! Our "GUTS" simply snap into existing INTERMATIC® enclosures**

**40 Amp Rated Contacts**

**Moisture Resistant Conformal Coated Board**

**SPDT and DPDT ALL-IN-ONE!**



# Electromechanical Time Controls

GM40 Series Ordering Data			
Grasslin/Intermatic Model	Voltage	Output	Battery Backup
<b>24-Hour Electromechanical, Multi-Voltage, SPDT/DPDT, NEMA 3R Outdoor Enclosure</b>			
GM40	120, 208~240, 277VAC	40A DPDT	—
GM40Q	120, 208~240, 277VAC	40A DPDT	Yes
<b>7-Day (Skip-A-Day/Weekly) Electromechanical, Multi-Voltage, SPDT/DPDT, NEMA 3R Outdoor Enclosure</b>			
GM40W	120, 208~240, 277VAC	40A DPDT	—
GM40QW	120, 208~240, 277VAC	40A DPDT	Yes
<b>24-Hour Electromechanical, Multi-Voltage, SPDT/DPDT, Mechanism Only</b>			
GM40-M	120, 208~240, 277VAC	40A DPDT	—
GM40Q-M	120, 208~240, 277VAC	40A DPDT	Yes
<b>7-Day (Skip-A-Day/Weekly) Electromechanical, Multi-Voltage, SPDT/DPDT, Mechanism Only</b>			
GM40W-M	120, 208~240, 277VAC	40A DPDT	—
GM40QW-M	120, 208~240, 277VAC	40A DPDT	Yes

## ELECTRICAL RATINGS:

### N.O. Contacts:

40A Resistive @ 120~277VAC  
 1HP, 16FLA, 90LRA @ 120VAC  
 2HP, 12FLA, 52LRA @ 208~277VAC  
 30A Ballast @ 120VAC  
 20A Ballast @ 277VAC  
 15A Tungsten @ 120VAC  
 300VA Pilot Duty 120~240VAC

Screw box lug terminals

### Operating Temperature Range:

–40°F to 131°F (–40°C to 55°C)

### Operating Humidity: 0 to 95% non-condensing

8.795" x 6.631" x 2.935" (H x W x D)

3 lbs.

50,000 Operations at Full Load

### N.C. Contacts:

30A Resistive @ 120~277VAC  
 1HP, 12FLA, 30LRA @ 120VAC  
 2HP, 10FLA, 30LRA @ 240VAC  
 2A Tungsten @ 120VAC  
 10A Ballast @ 277VAC

DPDT (2-N.O. and 2-N.C. Contacts)

7 Days

## SPECIFIERS GUIDE

Furnish and install a Intermatic GM40 \_ Multi-Volt Series 24 hour or (7 day) time switch with captive trippers and quartz or synchronous drive. Input voltage shall be 120, 208/240 or 277VAC selectable via simple to set DIP switch. All units shall incorporate both SPDT and DPDT contacts that shall be rated at 40A, 2 HP @ 277V. To set the starting time and to provide time indication, the unit shall have an authentic clock face with hour and minute hands. LED indicators shall provide Power and Status feedback. Enclosure shall be NEMA 3R suitable for both indoor or outdoor installation. Time switch shall contain an OFF/AUTO/ON manual override. **For Carry-over:** The time switch shall have a quartz drive with 7 day reserve carry-over.



## GMX Series (24-Hour/7-Day)

### General Purpose Time Switch

The GMX Series Time Controls are universal, electromechanical time switches. They are a low cost alternative for applications that do not require more than 21A or 2HP @240VAC. The unit is mounted in a NEMA 1 Indoor or NEMA 3R Outdoor enclosure.

**APPLICATION:** The GMX is a light duty commercial time switch ideal for 24, 120, or 277 VAC single phase applications such as:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Purpose Electrical Circuits

GMX Series Ordering Data			
Grasslin/Intermatic Model	Voltage	Output	Battery Backup
<b>24-Hour Electromechanical, SPDT, NEMA 1 Outdoor Enclosure</b>			
GMXST-I-120	120VAC, 60Hz	21A SPDT	—
GMXQT-I-120	120VAC, 50/60Hz	21A SPDT	Yes
GMXST-I-240	240VAC, 60Hz	21A SPDT	—
GMXST-I-24	24VAC, 60Hz	21A SPDT	—
GMXQT-I-24	24VAC, 50/60Hz; 12~24VDC	21A SPDT	Yes
<b>7-Day (Skip-A-Day/Weekly) Electromechanical, SPDT NEMA 1 Outdoor Enclosure</b>			
GMXSW-I-120	120VAC, 60Hz	21A SPDT	—
GMXQW-I-120	120VAC, 50/60Hz	21A SPDT	Yes
GMXSW-I-240	240VAC, 60Hz	21A SPDT	—
GMXQW-I-240	240VAC, 50/60Hz	21A SPDT	Yes
GMXSW-I-24	24VAC, 60Hz	21A SPDT	—
GMXQW-I-24	24VAC, 50/60Hz; 12~24VDC	21A SPDT	Yes
<b>24-Hour Electromechanical, SPDT, NEMA 3R Outdoor Enclosure</b>			
GMXST-O-120	120VAC, 60Hz	21A SPDT	—
GMXQT-O-120	120VAC, 50/60Hz	21A SPDT	Yes
GMXST-O-240	240VAC, 60Hz	21A SPDT	—
GMXST-O-24	24VAC, 60Hz	21A SPDT	—
<b>7-Day (Skip-A-Day/Weekly) Electromechanical, SPDT, NEMA 3R Outdoor Enclosure</b>			
GMXSW-O-120	120VAC, 60Hz	21A SPDT	—
GMXQW-O-120	120VAC, 50/60Hz	21A SPDT	Yes
GMXSW-O-240	240VAC, 60Hz	21A SPDT	—
GMXSW-O-24	24VAC, 60Hz	21A SPDT	—



### Features:

- 21 Amp. Rating
- NEMA 1 Indoor or 3R Outdoor Enclosure
- SPDT Switch
- Captive trippers with intervals of 15 minutes on 24-hour models (2 hours on 7-day models)
- True clock face, easy to set
- Finger safe terminals
- Enclosure provides space for field added contactor or other accessories.



# Electromechanical Time Controls



## Features:

- 40 Amp. Rating
- Saves energy by shutting heaters OFF during “off-peak” periods
- Captive trippers with easy to read clock face
- Manual Override
- Power and Status LED Indicators
- Ground Lug
- Built-In Battery Backup Standard
- Raintight NEMA 3R Enclosure
- True Clock Face

## WHQ Series (24-Hour/7-Day)

### Water Heater Timers w/Battery Backup

The WHQ Series Water Heater Timers are designed for control of residential, commercial, or industrial electric water heaters up to 10,000 Watts capacity running at 208/240VAC. The unit is mounted in a NEMA 3R Outdoor enclosure and can be placed in basements or mechanical rooms.

**APPLICATION:** This unit is designed to save energy and maximize hot water usage throughout the day. For example, the unit could be programmed to turn ON during periods of high usage such as in the early morning hours and OFF during low demand periods such as late evenings.

WHQ Series Ordering Data			
Grasslin/Intermatic Model	Voltage	Output	Battery Backup
<b>24-Hour Electromechanical, DPDT, NEMA 3R Outdoor Enclosure</b>			
WHQ4	208~240VAC, 60Hz	40A DPDT	Yes
<b>7-Day (Skip-A-Day/Weekly) Electromechanical, DPDT, NEMA 3R Outdoor Enclosure</b>			
WHQ7	208~240VAC, 60Hz	40A DPDT	Yes

#### ELECTRICAL RATINGS:

##### N.O. Contacts:

40A Resistive @ 250VAC

10,000 Watts

N.C. Contacts:

30A Resistive @ 250VAC

7,500 Watts

#### WIRING CONNECTIONS:

Screw box lug terminals

#### ENVIRONMENTAL RATINGS:

Operating Temperature Range:

-40°F to 131°F (-40°C to 55°C)

Operating Humidity: 0 to 95%

non-condensing

#### ENCLOSURE DIMENSIONS:

8.795" x 6.631" x 2.935" (H x W x D)

#### SHIPPING WEIGHT: 3 lbs.

#### ELECTRICAL LIFE:

50,000 Operations at Full Load

#### SWITCH CONFIGURATION:

DPDT (2-N.O. and 2-N.C. Contacts)

#### BATTERY BACKUP OPTION: 7 Days

## SPECIFIERS GUIDE

Furnish and install a Intermatic WHQ \_\_\_ Water Heater Time Control with captive trippers and quartz (battery backup) drive. Input voltage shall be 208/240VAC on all models. Contacts shall be (DPDT) rated at 40A, 10,000 Watts @ 250VAC. To set the starting time and to provide time indication, the unit shall have an authentic clock face with hour and minute hands. Enclosure to be NEMA 3R rain-tight. Time switch shall contain an OFF/AUTO/ON manual override.

# Electromechanical Time Controls



## MIL72 Series (24-Hour/7-Day)

### Surface or Flush Mounted Time Switches

The MIL72 Series time switches are designed to be mounted inside a control panel and can accommodate surface/DIN rail or flush/panel mounting.

**APPLICATION:** The MIL72 Series is a light duty commercial time switch ideal for 24, 120, or 277VAC single phase applications such as:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Purpose Electrical Circuits

**MIL 72A**  
(Surface Mounting)



**MIL 72E**  
(Flush Mounting)

### Features:

- Synchronous drive or quartz drive with battery backup
- 21A SPDT switch
- Captive trippers with intervals as low as 15 minutes
- With or without 3-way override
- True clock face
- Surface, flush, or DIN rail mount

Grasslin Model	Intermatic Model	Override	Mount		Input Voltage	Switch Rating 250V Res.	Minimum On/Off Time	Event On/Off Time
<b>24-Hour Time Control</b>								
MIL72A STuZ-24	MIL72ASTUZ-24	No	Surface	Synchronous	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A STuZ-120	MIL72ASTUZ-120	No	Surface	Synchronous	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A STuZ-240	MIL72ASTUZ-240	No	Surface	Synchronous	208/240VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A STuZH-24	MIL72ASTUZH-24	Yes	Surface	Synchronous	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A STuZH-120	MIL72ASTUZH-120	Yes	Surface	Synchronous	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A STuZH-240	MIL72ASTUZH-240	Yes	Surface	Synchronous	208/240VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A QTuZH-24	MIL72AQTUZH-24	Yes	Surface	Quartz*	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72A QTuZH-120	MIL72AQTUZH-120	Yes	Surface	Quartz	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZ-24	MIL72ESTUZ-24	No	Flush	Synchronous	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZ-120	MIL72ESTUZ-120	No	Flush	Synchronous	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZ-240	MIL72ESTUZ-240	No	Flush	Synchronous	208/240VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZH-24	MIL72ESTUZH-24	Yes	Flush	Synchronous	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZH-120	MIL72ESTUZH-120	Yes	Flush	Synchronous	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E STuZH-240	MIL72ESTUZH-240	Yes	Flush	Synchronous	208/240VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E QTuZH-24	MIL72EQTUZH-24	Yes	Flush	Quartz*	24VAC	SPDT 21A	15 Min	ON 1/4 hr.
MIL72E QTuZH-120	MIL72EQTUZH-120	Yes	Flush	Quartz	120VAC	SPDT 21A	15 Min	ON 1/4 hr.
<b>7-Day Time Control</b>								
MIL72A SWuZ-24	MIL72ASWUZ-24	No	Surface	Synchronous	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A SWuZ-120	MIL72ASWUZ-120	No	Surface	Synchronous	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A SWuZ-240	MIL72ASWUZ-240	No	Surface	Synchronous	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A SWuZH-24	MIL72ASWUZH-24	Yes	Surface	Synchronous	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A SWuZH-120	MIL72ASWUZH-120	Yes	Surface	Synchronous	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A SWuZH-240	MIL72ASWUZH-240	Yes	Surface	Synchronous	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A QWuZH-24	MIL72AQWUZH-24	Yes	Surface	Quartz*	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A QWuZH-120	MIL72AQWUZH-120	Yes	Surface	Quartz	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72A QWuZH-240	MIL72AQWUZH-240	Yes	Surface	Quartz	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZ-24	MIL72ESWUZ-24	No	Flush	Synchronous	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZ-120	MIL72ESWUZ-120	No	Flush	Synchronous	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZ-240	MIL72ESWUZ-240	No	Flush	Synchronous	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZH-24	MIL72ESWUZH-24	Yes	Flush	Synchronous	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZH-120	MIL72ESWUZH-120	Yes	Flush	Synchronous	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E SWuZH-240	MIL72ESWUZH-240	Yes	Flush	Synchronous	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E QWuZH-24	MIL72EQWUZH-24	Yes	Flush	Quartz*	24VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E QWuZH-120	MIL72EQWUZH-120	Yes	Flush	Quartz	120VAC	SPDT 21A	2 hr.	ON 2 hr.
MIL72E QWuZH-240	MIL72EQWUZH-240	Yes	Flush	Quartz	208/240VAC	SPDT 21A	2 hr.	ON 2 hr.

\*Quartz 24VAC models will operate on 12-24VDC



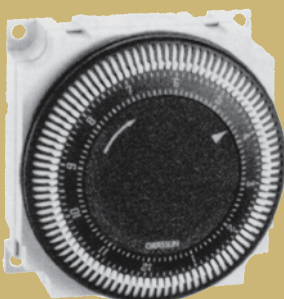
# Electromechanical Cycle Time Switches



**Talento 121**

## Features:

- Synchronous drive or quartz drive with battery backup
- 21A SPDT switch
- Captive trippers with interval as low as 15 minutes
- With or without 3-way override
- True clock face
- Surface, flush, or DIN rail mount



**FM/1 S 12H**

## Features:

- 12 hour cycle
- 7.5 minute resolution
- Captive trippers
- SPDT 21A switch
- Flush, surface or DIN rail mounting

## Talento 121

### One Hour Repeat Cycle Time Switch

The Talento 121 is a synchronous motor driven electromechanical one hour time switch intended as a low cost repeat cycle timer for industrial processes and other applications. It 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. It 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. It may be surface or DIN rail mounted within panels, or may be mounted in an Intermatic indoor or outdoor enclosure.

### Specifications:

**Size** – 2.13" x 3.31" x 2.56" deep

**Switch Output** – SPDT isolated contacts

16A Resistive @ 125/250VAC

4A Inductive @ 125/250VAC

1350W Tungsten @ 240V

**Shortest Switching Time** – 1.25 Minutes

**Operating Temperature** – –13°F to 130°F

**Operating Humidity** – 0 to 95% RH non-condensing

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

## FM/1 S 12H

### 12 Hour Repeat Cycle Time Switch

The FM/1 S 12H is a synchronous motor driven electromechanical 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. Captive trippers allow setting up to 48 ON and 48 OFF times in 7.5 minute increments over a 12 hour period.

### Specifications:

**Size** – 2.36" x 2.36" x 1.25"

**Supply Voltage** – 24, 120, 240VAC

**Power Consumption** – 1VA

**Switch Rating** – SPDT

Resistive: 21A

Tungsten: 1350W

Inductive: 1HP @ 120VAC

2HP @ 240VAC

**Wiring Connections** – 1/4" quick-connects

### Talento 121 and FM/1 S 12H Ordering Data

Grasslin Model	Intermatic Model	Voltage	Carryover	Switch Program	Minimum On/Off Time	Switch Output
Talento-121-120	TALENTO121-120	120VAC	No	1 Hour	1.25 Minutes	SPDT 16A Res.
Talento-121-240	TALENTO121-240	208/240VAC	No	1 Hour	1.25 Minutes	SPDT 16A Res.
FM/1 S 12H-120	FM1S12HU-120U	120VAC	No	12 Hour	7.5 Minutes	SPDT 21A Res.



## GM40E Series (24-Hour and/or 7-Day All-In-One)

### Electronic General Purpose Time Switch

The GM40E Series Time Controls are universal, electronic time switches designed for general purpose commercial applications. Available in voltage specific 120VAC, 208/240VAC or 277VAC 60/50Hz. The mechanism is mounted in a NEMA 3R outdoor enclosure and features a DPDT switching configuration standard (i.e. two normally open and two normally closed contacts). All GM40E models are available as "Mechanism Only" (-M) for installation in other enclosures or control panels or "Bracket Mount" (-B). The GM40E is also available in a NEMA 1 Indoor Metal Enclosure (-IM).

**APPLICATION:** The GM40E is a robust time switch capable of switching high amperage. Below are samples of the many applications where the GM40E can be used:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Electrical Circuits

GM40E Series Ordering Data				
Grasslin/Intermatic Model	Voltage	Output	Programs	Battery Backup
<b>24-Hour/7-Day Electronic, DPDT, NEMA 3R Outdoor Enclosure</b>				
GM40E-120	120VAC, 50/60Hz	40A DPDT	14	Yes
GM40E-240	240VAC, 50/60Hz	40A DPDT	20	Yes
GM40E-277	277VAC, 60Hz	40A DPDT	20	Yes
<b>24-Hour/7-Day Electronic, DPDT, NEMA 3R Outdoor Enclosure w/Automatic Daylight Saving Adjustment</b>				
GM40E42-120	120VAC, 50/60Hz	40A DPDT	42	Yes
<b>24-Hour/7-Day Electronic, DPDT, Mechanism Only</b>				
GM40E-M-120	120VAC, 50/60Hz	40A DPDT	14	Yes
GM40E-M-240	240VAC, 50/60Hz	40A DPDT	20	Yes
<b>24-Hour/7-Day Electronic, DPDT, Mechanism Only w/Automatic Daylight Saving Adjustment</b>				
GM40E42-M-120	120VAC, 50/60Hz	40A DPDT	42	Yes



### Features:

- 40 Amp. Rating
- Rechargeable battery backup
- SPDT and DPDT All-in-One!
- NEMA 3R Outdoor Enclosure is Standard
- No Tools Required—Guts Snap Easily Into Intermatic® Enclosure.
- Power and Status LED Indicators
- GM40E42 Models have automatic Daylight Saving Time adjustment
- Ground Lug

#### ELECTRICAL RATINGS:

##### N.O. Contacts:

- 40A Resistive @ 120~277VAC
- 1HP, 16FLA, 90LRA @ 120VAC
- 2HP, 12FLA, 52LRA @ 208~277VAC
- 30A Ballast @ 120VAC
- 20A Ballast @ 277VAC
- 15A Tungsten @ 120VAC
- 300VA Pilot Duty 120~240VAC

##### N.O. Contacts:

- 30A Resistive @ 120~277VAC
- 1HP, 12FLA, 30LRA @ 120VAC
- 2HP, 10FLA, 30LRA @ 240VAC
- 2A Tungsten @ 120VAC
- 10A Ballast @ 277VAC

#### WIRING CONNECTIONS:

Screw box lug terminals

#### ENVIRONMENTAL RATINGS:

Operating Temperature Range:  
-40°F to 131°F (-40°C to 55°C)  
Operating Humidity: 0 to 95% non-condensing

#### ENCLOSURE DIMENSIONS:

8.795" x 6.631" x 2.935" (H x W x D)

#### SHIPPING WEIGHT: 3 lbs.

#### ELECTRICAL LIFE:

50,000 Operations at Full Load

#### SWITCH CONFIGURATION:

DPDT (2-N.O. and 2-N.C. Contacts)

#### BATTERY BACKUP OPTION: 7 Days



GMX Series

### Features:

- 16 Amp. Rating
- NEMA 1 Indoor or 3R Outdoor Enclosure
- SPDT
- 24-Hour/7-Day Electronic w/Battery Backup
- GMX Digi42 has automatic Daylight Saving Time adjustment
- Finger safe terminals
- Enclosure provides space for field added contactor or other accessories

## GMX Digi Series (24-Hour and/or 7-Day All-in-one)

### General Purpose Time Switch

The GMX Digi Series Time Controls are universal, electronic time switches. They are a low cost alternative for applications that do not require more than 16A. The unit is mounted in a NEMA 3R Outdoor enclosure.

**APPLICATION:** The GMX Digi is a light duty commercial time switch ideal for 24, 120, or 277 VAC single phase applications such as:

- Lighting Control
- Heating, Air-Conditioning
- Pumps/Motors/Fan Control
- Access Control
- Agricultural Facilities
- General Electrical Circuits

### GMX Digi Series Ordering Data

Grasslin Model	Intermatic Model	Enclosure	Voltage	Program	Switch	Amps
GMX-digi20-I-120	GMXDIGI20-I-120	NEMA 1	120 50/60HZ	20	SPDT	16
GMX-digi20-I-240	GMXDIGI20-I-240	NEMA 1	208/240V 50/60HZ	20	SPDT	16
GMX-digi20-I-24	GMXDIGI20-I-24	NEMA 1	24V 50/60HZ	20	SPDT	16
GMX-digi42-I-120	GMXDIGI42-I-120	NEMA 1	120 50/60HZ	42	SPDT	16
GMX-digi42-I-240	GMXDIGI42-I-240	NEMA 1	208/240V 50/60HZ	42	SPDT	16
GMX-digi42-I-24	GMXDIGI42-I-24	NEMA 1	24V 50/60HZ	42	SPDT	16
GMX-digi42-I-12	GMXDIGI42-I-12	NEMA 1	12VDC	42	SPDT	16
GMX-digi20-O-120	GMXDIGI20-O-120	NEMA 3R	120 50/60HZ	20	SPDT	16
GMX-digi20-O-240	GMXDIGI20-O-240	NEMA 3R	208/240V 50/60HZ	20	SPDT	16
GMX-digi20-O-24	GMXDIGI20-O-24	NEMA 3R	24V 50/60HZ	20	SPDT	16
GMX-digi42-O-120	GMXDIGI42-O-120	NEMA 3R	120 50/60HZ	42	SPDT	16
GMX-digi42-O-12	GMXDIGI42-O-12	NEMA 3R	12VDC	42	(2) SPDT	16
GMX2-digi42-I-120	GMXDIGI42-I-120	NEMA 1	120 50/60HZ	42	(2) SPDT	16
GMX2-digi42-I-240	GMXDIGI42-I-240	NEMA 1	208/240V 50/60HZ	42	(2) SPDT	16
GMX2-digi42-I-24	GMXDIGI42-I-24	NEMA 1	24V 50/60HZ	42	(2) SPDT	16
GMX2-digi42-O-120	GMXDIGI42-O-120	NEMA 3R	120 50/60HZ	42	(2) SPDT	16

#### ELECTRICAL RATINGS:

SPDT Contacts:  
16A Resistive @ 120~250VAC  
1,000W Tungsten @ 240VAC

#### WIRING CONNECTIONS:

Screw terminals accepts up to 12AWG wire

#### ENVIRONMENTAL RATINGS:

Operating Temperature Range:  
-20°F to 140°F (-28.9°C to 60°C)  
Operating Humidity: 0 to 95% non-condensing

#### ENCLOSURE DIMENSIONS:

10" x 6.50" x 3.75" (H x W x D)

#### SHIPPING WEIGHT: 2 lbs.

#### ELECTRICAL LIFE:

6,000 Operations at Full Load

#### SWITCH CONFIGURATION:

SPDT (1-N.O. and 1-N.C. Contacts)

#### BATTERY BACKUP OPTION: 7 Days



# Single Channel Electronic Time Controls



## Digi 20 and Digi 42 Series

### 24-Hour and/or 7-Day

**APPLICATION:** Time based control of lighting, ventilating, heating, cooling or other electrical loads in commercial and industrial applications. These one channel time switches are programmable for 24-hour or 7-day schedules. The Digi 42 offers an "8th day" or holiday schedule. The Digi 20A or Digi 42A are intended for either surface or DIN rail mounting. Both models are completely enclosed in a plastic housing and includes a terminal cover and sub-base for installation and hard wiring. The Digi 20E or Digi 42E are intended for flush mounting. Both models are supplied with a clear plastic snap-on dust cover.

### Specifications:

	Digi 20	Digi 42
Channels	1	1
Programs	20	42
Holiday Program	No	Yes
Reserve Carryover, min.	1 week	2 weeks
Automatic Spring/Fall Daylight Saving Time Changeover	No	Yes

#### Technical Data

**Output** – 1 SPDT relay with dry contacts

**Switching Capacity** – 16A Resistive @ 277VAC  
1000W Tungsten @ 240VAC

**Input Draw** – 4VA

**Shortest Switching Time** – 1 minute

**Accuracy:** Less than ±4 minutes per year deviation

**Ambient Temperature:** 0°F to 140°F (-18°C to 60°C)

**Ambient Humidity:** 0 to 95% RH, non-condensing

Selectable AM/PM or 24 hr. (military) time LCD display

One Key Daylight Time Changeover (automatic on Digi 42)

**Manual 3-Way Override:** Temporary or permanent ON or OFF status indication in LCD display.

#### Wiring Connections:

"A" Models: screw terminals for

#10 to #24 AWG wire

"E" Models: 1/4" quick connects



### Features:

- 24 hour or 7 day programming with accuracy to the second
- Easy programming; minimal keys and programming steps
- Unique "Circular Programming" with large keys is easier to use
- Selectable blocks of weekdays or weekends for quick programming on Digi 20, any combination of days on Digi 42
- Holiday program on Digi 42 may be scheduled a week in advance for one or more days
- Rechargeable battery backup with 1-4 weeks reserve carry-over
- Manual override provides for either temporary or continuous ON or OFF state, with status displayed in large LCD
- Digi 42 models have automatic Daylight Saving Time changeover
- 24V models will operate either on AC or DC

### Digi 20 and Digi 42 Series Ordering Data

Grasslin/Intermatic Model	Timer Voltage	Mounting	Setpoint Programs	Maximum weekly On/Off Events	Relay Output Resistive Rating
Digi20A-120	120V, 50/60Hz	Surface or DIN Rail	20	140	SPDT, 16A, 250V
Digi20A-240	208/240V, 50/60Hz	Surface or DIN Rail	20	140	SPDT, 16A, 250V
Digi20A-24	24V, 50/60Hz	Surface or DIN Rail	20	140	SPDT, 16A, 250V
Digi20A-277	277V, 50/60Hz	Surface or DIN Rail	20	140	SPDT, 16A, 250V
Digi42A-120	120V, 50/60Hz	Surface or DIN Rail	42	294	SPDT, 16A, 250V
Digi42A-240	208/240V 50/60Hz	Surface or DIN Rail	42	294	SPDT, 16A, 250V
Digi42A-24	24V, 50/60Hz	Surface or DIN Rail	42	294	SPDT, 16A, 250V
Digi42A-12	12VOC, 50/60Hz	Surface or DIN Rail	42	294	SPDT, 16A, 250V
Digi20E-120	120V, 50/60Hz	Flush Panel	20	140	SPDT, 16A, 250V
Digi20E-240	208/240V 50/60Hz	Flush Panel	20	140	SPDT, 16A, 250V
Digi20E-24	24V, 50/60Hz	Flush Panel	20	140	SPDT, 16A, 250V
Digi20E-277	277V, 50/60Hz	Flush Panel	20	140	SPDT, 16A, 250V
Digi42E-120	120V, 50/60Hz	Flush Panel	42	294	SPDT, 16A, 250V
Digi42E-240	208/240V 50/60Hz	Flush Panel	42	294	SPDT, 16A, 250V
Digi42E-24	24V, 50/60Hz	Flush Panel	42	294	SPDT, 16A, 250V
Digi42E-12	12VOC, 50/60Hz	Flush Panel	42	294	SPDT, 16A, 250V

(24V models will operate on AC or DC)



# Dual Channel Electronic Time Controls



## Features:

- 24 hour or 7 day programming with resolution to the minute and accuracy to the second
- Large keys ease programming
- Unique circular programming pattern and minimal steps simplify programming
- Automatic Daylight Saving Time changeover in Spring and Fall eliminates need to manually change the time
- Holiday, or "8th day" program may be scheduled a week in advance for one or more days
- Each channel may be programmed separately, or both together
- Automatically recharged NiCad battery maintains program and display for two weeks or more
- Manual override for each channel provides for either temporary or continuous ON or OFF state, with status displayed in large LCD

## Digi 42/2

### 24-Hour and/or 7-Day

**APPLICATION:** This unit can be used to control 240VAC two-phase loads such as pumps, compressors, etc. It can also be used to provide time based control of two circuit lighting, ventilating, heating, cooling or other electrical loads in commercial and industrial applications. The Digi 42/2 time switches are programmable for 24-hour or 7-day schedules as well as an "8th day" or holiday schedule. Each channel can operate independently or combined.

### Specifications:

**Output Switches** – Two SPDT relays with dry contacts

**Switch Capacity** – 16A General Purpose, 125-250VAC  
1000W Tungsten, 250V  
500W Tungsten, 125V

N.O. Contact: 1HP, 240VAC; 1/2HP, 120VAC  
Pilot Duty: 720VA, 120-240VAC

N.C. Contact: 3/4HP, 240VAC; 1/3HP, 120VAC  
Pilot Duty: 360VA, 120-240VAC

**Input Power** – 4.4VA

**Shortest Switching Time** – 1 minute

**Accuracy:** Less than ±4 minutes per year deviation

**Ambient Temperature:** 0°F to 140°F (–18°C to 60°C)

**Ambient Humidity:** 0 to 95% RH, non-condensing

Selectable AM/PM or 24 hr. (military) time display

Selectable completely automatic or one key manual daylight time changeover

**Manual 3-Way Override:** Temporary or permanent ON or OFF status indication in LCD display.

**Wiring Connections:** Screw terminals #12 to #24AWG

**SIZE:** 2.83" x 2.83" square face, x 2.28" deep

**UL AND CANADIAN UL RECOGNIZED:** File E83486

### Digi 42/2 Ordering Data

Grasslin/Intermatic Model	Timer Voltage	Mounting*	Setpoint Programs	Maximum weekly On/Off Events	Relay Output General Purpose Rating
Digi42/2-120	120V, 50/60Hz	Flush or Surface	42	294	(2) SPDT, 16A, 250VAC
Digi42/2-240	240V, 50/60Hz	Flush or Surface	42	294	(2) SPDT, 16A, 250VAC
Digi42/2-24	24V, 50/60Hz	Flush or Surface	42	294	(2) SPDT, 16A, 250VAC

\* For DIN rail mounting, order: MB-DIN Rail Mounting Base

# Advanced Electronic Time Controls 1, 2, and 4 Channels



## Talento 400 & 800 Series

### 24 Hour, 7 Day, 365 Day Multi-Function Time Controls

**APPLICATION:** 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 Saving Time change-over dates. From that point on, daylight change-over dates will never have to be entered again. An LCD display 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 an Intermatic 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.

#### SPECIFIERS GUIDE

**800 Series:** The contractor shall furnish and install a Intermatic 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 Saving 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. An LCD display 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 Intermatic 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 Saving Time change-over shall be incorporated through the year 2095. An LCD display 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.



#### Features:

- 1, 2 & 4 channels programmable independently or simultaneously
- Automatic leap year and daylight saving time adjustment
- Pulse programming for school bells, sirens, or lighting contactor applications
- Cycle programming for pump or other sequencing applications
- Lithium battery backup keeps clock running
- EEPROM Non-Volatile program memory
- Astronomical function on Talento 800 series (Requires Software)

## 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.

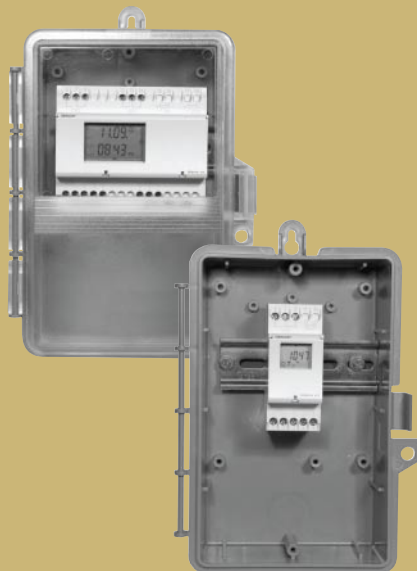
The software contains a schedule of **fixed** and **floating** holidays that can be selected, as required, for the particular application. **Floating** holidays will automatically repeat on the correct date, year after year. Thus, all **fixed** and **floating** holidays need only be programmed once. 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-held 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.





# Advanced Electronic Time Controls 1, 2, and 4 Channels



Talento 400/800 Series Ordering Data				
Grasslin/Intermatic Model	Voltage	Output	Channels	Programs
<b>Mechanism Only</b>				
TALENT0471-120	120VAC, 50/60Hz	16A SPDT	1	30
TALENT0891-24	24VAC/DC, 50/60Hz	16A SPDT	1	400
TALENT0891-120	120VAC, 50/60Hz	16A SPDT	1	400
TALENT0472-120	120VAC, 50/60Hz	16A SPDT	2	30
TALENT0892-24	24VAC/DC, 50/60Hz	16A SPDT	2	400
TALENT0892-120	120VAC, 50/60Hz	16A SPDT	2	400
TALENT0894-24	24VAC/DC, 50/60Hz	16A SPDT	4	400
TALENT0894-120	120VAC, 50/60Hz	16A SPDT	4	400
<b>NEMA 1 Indoor Enclosure</b>				
GMX471-I-120	120VAC, 50/60Hz	16A SPDT	1	30
GMX891-I-120	120VAC, 50/60Hz	16A SPDT	1	400
GMX472-I-120	120VAC, 50/60Hz	16A SPDT	2	30
GMX892-I-24	24VAC/DC, 50/60Hz	16A SPDT	2	400
GMX892-I-120	120VAC, 50/60Hz	16A SPDT	2	400
GMX894-I-24	24VAC/DC, 50/60Hz	16A SPDT	4	400
GMX894-I-120	120VAC, 50/60Hz	16A SPDT	4	400

## SRS 3800

### 7 Day, 8-Channel End Time Switch

**APPLICATION:** 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.

### Specifications:

- Input Voltage** – 120VAC 50/60 Hz
- Output Rating** – 10A Resistive @ 120~240VAC per channel
- Output Configuration:** 6 SPDT, 2 SPST (NO)
- Power Consumption:** 12VA
- 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)

SRS 3800 Ordering Data				
Grasslin/Intermatic Model	Voltage	Output	Channels	Programs
<b>Plastic Clear Enclosure</b>				
SRS3800-120	120VAC, 60Hz	10A, 6-SPDT & 2-SPST	8	224



### Features:

- 8 channels programmable independently or simultaneously
- 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



# Electromechanical Timer Modules



## FM/1 Series

### 24 Hour, 7 Day

**APPLICATION:** The FM/1 series electromechanical timer modules are designed to be placed inside a machine control panel, circuit board, or other equipment. It offers up to 21A switching designed for control of heating, ventilating, air conditioning, refrigeration, lighting, security, circulating pumps, spas or any electrical load requiring 24-hour or 7-day scheduling.

### Specifications:

**Size:** 2.36" x 2.36" x 1.25"

**Supply Voltage:** 24, 120, 240VAC

**Power Consumption:** 1 VA

**Switch Rating:** SPDT

Resistive: 21A

Tungsten: 1350W

Inductive: 1HP @ 120VAC

2HP @ 240VAC

**Wiring Connections:** 1/4" quick-connects

**Installation:** Stand Alone: With indoor or outdoor enclosure

**Panel:** Surface mounting



### Features:

- 21A SPDT switch
- Captive Trippers
- 1/4" quick terminals
- Noise Immune—Ideal for robust applications

FM/1 Series Ordering Data<sup>†</sup>

Grasslin Model	Intermatic Model	Override	Switch Program	Carryover	Program On/Off Every	Minimum On/Off Time	Switch Output Type	Switch Output Rating
FM/1 STuZ-120	FM1STUZ-120U	No	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 STuZ-24	FM1STUZ-24U	No	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 STuZ-240	FM1STUZ-240U	No	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 SWuZ-120	FM1SWUZ-120U	No	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 SWuZ-24	FM1SWUZ-24U	No	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 SWuZ-240	FM1SWUZ-240U	No	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 STuZH-120	FM1STUZH-120U	Yes	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 STuZH-24	FM1STUZH-24U	Yes	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 STuZH-240	FM1STUZH-240U	Yes	24 Hr.	No	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 SWuZH-120	FM1SWUZH-120U	Yes	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 SWuZH-24	FM1SWUZH-24U	Yes	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 SWuZH-240	FM1SWUZH-240U	Yes	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 SWuZH-277	FM1SWUZH-277U	Yes	7 day	No	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 QTuZH-120	FM1QTUZH-120U	Yes	24 Hr.	7 day	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 QTuZH-24	FM1QTUZH-24U	Yes	24 Hr.	7 day	15 Minutes	15 Minutes	SPDT	21A. Res.
FM/1 QWuZH-120	FM1QWUZH-120U	Yes	7 day	2 Hr.	2 Hours	2 Hours	SPDT	21A. Res.
FM/1 QWuZH-240	FM1QWUZH-240U	Yes	7 day	2 Hr.	2 Hours	2 Hours	SPDT	21A. Res.

Available with 24V, 120V, 240V, 277VAC input





# Electromechanical Timer Modules



## Features:

- Very small and compact, fits anywhere
- On/Auto/Off manual switch standard
- Captive trippers for easy programming
- 1/4" quick terminals



## KM2 Series

### 24 Hour, 7 Day

**APPLICATION:** The KM/2 series modules are designed to fit into tight locations. It offers up to 21A switching designed for control of heating, ventilating, air conditioning, refrigeration, lighting, security, circulating pumps, spas or any electrical load requiring 24-hour or 7-day scheduling.

### Specifications:

**Size:** 1.67" x 2.64" x 1.67"

**Supply Voltage:** 24, 120, 240VAC

**Power Consumption:** 1 VA

**Switch Rating:** SPDT

Resistive: 21A @ 250V

Motor: 1HP @ 125VAC

2HP @ 250VAC

Inductive: 8A @ 250VAC

Tungsten: 1350W

**Wiring Connections:** 1/4" quick-connects

### KM2 Series Ordering Data

Grasslin/Intermatic Model	OPERATING FEATURES			Switch Output	
	Switch Program	Program On/Off Every	Minimum On/Off Time	Type	Rating
KM2STUH-120	24 Hr.	20 Minutes	20 Minutes	SPDT	21A Res.

# Electronic Timer Modules



## FM/1 digi 20

24 Hour and/or 7 Day

### Specifications:

**Switch Rating:** SPDT  
16A Resistive @ 277VAC  
1000W Tungsten @ 240VAC  
**Input Draw:** 4VA  
**Input Frequency:** 50/60Hz  
**Shortest Switching Time:** 1 minute  
**Ambient Temperature:** 0°F to 140°F (-18°C to 60°C)  
**Ambient Humidity:** 0 to 95% RH, non-condensing  
**Wiring Connections:** 1/4" quick connects  
UL and Canadian UL File E 83486

### Features:

- 20 programs, up to 140 events per week
- Easy to program with large keys
- 16 Amp @ 277V SPDT switching
- Capacitor backup with 5 day carryover
- Manual override



## FM/1 digi 14

### Specifications:

**Wiring Connections:** 1/4" Quick Terminals  
**Supply Voltage:** 125VAC, 60 Hz.  
**Switch Output:** SPDT (Form C Relay Contacts)  
**Switch Rating:** 15A General Purpose/Resistive @125VAC  
1000W Tungsten @125VAC  
1/2HP @125VAC  
**Battery Back-Up:** Rechargeable Ni-MH (Holds program and keeps time for up to 60 days)  
**Operating Temperature:** -10°C to + 55°C  
**Accuracy:** ± 1 sec/day at 20°C  
**Number of Programs:** 7 ON, 7 OFF  
**Block Programming:** MON-SUN, MON-FRI, SAT-SUN, MON-SAT, MON-WED-FRI  
**Shortest Switching Time:** 1 Minute  
**Display:** Backlit LCD (Illuminates in the dark)  
**Protection:** MOV and Thermal Fuse  
**Approvals:** UL & Canadian UL

### Features:

- Integrated MOV surge protection assures reliable operation
- Thermal fuse protects unit in the event of overload
- 1/4" quick terminals for easy wiring connection
- Rechargeable Ni-MH battery holds program and keeps time for up to 60 days
- Block programming reduces number of events: MON-SUN, MON-FRI, SAT-SUN, MON-SAT, MON-WED-FRI
- Backlit LCD illuminates in the dark
- 14 programs for maximum 98 weekly ON/OFF



## FM/1 digi 42

### Specifications:

**Switch Rating:** SPDT  
16A Resistive @ 277VAC  
1000W Tungsten @ 240VAC  
**Input Draw:** 4VA  
**Input Frequency:** 50/60Hz  
**Shortest Switching Time:** 1 minute  
**Ambient Temperature:** 0°F to 140°F (-18°C to 60°C)  
**Ambient Humidity:** 0 to 95% RH, non-condensing  
**Wiring Connections:** 1/4" quick connects  
UL and Canadian UL File E 83486

### Features:

- Automatic Daylight Saving Time Changeover
- 42 programs, up to 294 events per week
- Holiday programming
- 16 Amp @ 277V SPDT switching
- Rechargeable battery backup with carryover of over 4 weeks



**FM/1 Series Ordering Data** - FM/1 digi 42 also available for 12VDC input, 24V models are AC/DC.

Grasslin Model	Intermatic Model	Input Voltage	Switch Program	Programs	Max. Weekly On/Off Events	Holiday Program	Reserve Carryover	Relay Output
FM/1 digi 14-120	FM1DIG14-120U	120V, 50/60Hz	24 hr. / 7 day	14	98	No	60 days	SPDT 15A
FM/1 digi 20-120	FM1DIG20-120U	120V, 50/60Hz	24 hr. / 7 day	20	140	No	1 week	SPDT 16A
FM/1 digi 20-240	FM1DIG20-240U	240V, 50/60Hz	24 hr. / 7 day	20	140	No	1 week	SPDT 16A
FM/1 digi 20-24	FM1DIG20-24U	24V, 50/60Hz	24 hr. / 7 day	20	140	No	1 week	SPDT 16A
FM/1 digi 20-277	FM1DIG20-277U	277V, 50/60Hz	24 hr. / 7 day	20	140	No	1 week	SPDT 16A
FM/1 digi 42-120	FM1DIG42-120U	120V, 50/60Hz	24 hr. / 7 day	42	294	Yes	2 weeks	SPDT 16A
FM/1 digi 42-24	FM1DIG42-24U	24V, 50/60Hz	24 hr. / 7 day	42	294	Yes	2 weeks	SPDT 16A
FM/1 digi 42-12VDC	FM1DIG42-12U	24V, 50/60Hz	24 hr. / 7 day	42	294	Yes	2 weeks	SPDT 16A