# GRASSLIN

## ELECTRONIC TIME CONTROLS, 1 CHANNEL
# Digi 20, Digi 42 Series
## 24 Hour, 7 Day

Digi 42A

- **Automatic Daylight Time changeover with Digi 42**
- **Holiday program with Digi 42**
- **Rechargeable battery backup with 1 week or more carryover**
- **16 amp, SPDT switching**

**C.E.C. CERTIFIED**
**TITLE 24, PART 6**
ON ALL MODELS MARKED WITH "†"

CE

File #E83486

Digi 20E

✪**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.** ✪**Automatically recharged NiCad battery maintains program and display for one week or more.** ✪**Manual override provides for either temporary or continuous ON or OFF state, with status displayed in large LCD.**

**SPECIFIERS GUIDE**

Furnish and install a Grasslin Digi 20 (Digi 42) electronic time switch. This 1 circuit control shall have 24 hour and 7 day programming and also offer 10 (21) ON and 10 (21) OFF setpoint programs and include 4 block programs (allow selection of any combination of days) for different weekday schedules. The LCD shall display time of day in AM/PM or military time format and provide load status indication. A daylight time adjustment key shall also be provided. The time switch will be programmable to the minute and also offer a manual override for ON or OFF to the next scheduled event or for permanent ON/OFF/Automatic. (The Digi 42 shall provide a 8th day or "Holiday" program which may be activated to begin on a specific day up to a week in advance, and continue from 1 to 99 days, selectable by the user.) The SPDT relay output will be rated for 16A Resistive @ 277VAC. Reserve shall be provided for a minimum of 7 days with built-in rechargeable batteries which need not be replaced. The time switch shall be surface, DIN rail or flush mountable or shall be available with a NEMA 1 indoor or NEMA 3R outdoor enclosure.

| 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 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

## ORDERING DATA

| Digi 42A and E also available for 12VDC input. | | | | | |
|---|---|---|---|---|---|
| **Model Code** | **Timer Voltage** | **Mounting** | **Setpoint Programs** | **Maximum Weekly On/Off Events** | **Relay Output Resistive Rating** |
| Digi 20A – 120 | 120V, 50/60Hz | Surface or DIN Rail | 20 | 140 | SPDT, 16A, 250V |
| Digi 20A – 240 | 208/240V, 50/60Hz | Surface or DIN Rail | 20 | 140 | SPDT, 16A, 250V |
| Digi 20A – 24 | 24V, 50/60Hz | Surface or DIN Rail | 20 | 140 | SPDT, 16A, 250V |
| Digi 20A – 277* | 277V, 50/60Hz | Surface or DIN Rail | 20 | 140 | SPDT, 16A, 250V |
| Digi 42A – 120† | 120V, 50/60Hz | Surface or DIN Rail | 42 | 294 | SPDT, 16A, 250V |
| Digi 42A – 240† | 208/240V, 50/60Hz | Surface or DIN Rail | 42 | 294 | SPDT, 16A, 250V |
| Digi 42A – 24† | 24V, 50/60Hz | Surface or DIN Rail | 42 | 294 | SPDT, 16A, 250V |
| Digi 20E – 120 | 120V, 50/60Hz | Flush Panel | 20 | 140 | SPDT, 16A, 250V |
| Digi 20E – 240 | 208/240V, 50/60Hz | Flush Panel | 20 | 140 | SPDT, 16A, 250V |
| Digi 20E – 24 | 24V, 50/60Hz | Flush Panel | 20 | 140 | SPDT, 16A, 250V |
| Digi 20E – 277* | 277V, 50/60Hz | Flush Panel | 20 | 140 | SPDT, 16A, 250V |
| Digi 42E – 120† | 120V, 50/60Hz | Flush Panel | 42 | 294 | SPDT, 16A, 250V |
| Digi 42E – 240† | 208/240V, 50/60Hz | Flush Panel | 42 | 294 | SPDT, 16A, 250V |
| Digi 42E – 24† | 24V, 50/60Hz | Flush Panel | 42 | 294 | SPDT, 16A, 250V |

(24V models will operate on AC or DC)

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