

# 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)*