

Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____

FM1D50A & FM1D50E Series

One Channel Surface/DIN Rail and Flush Mount

The FM1D50 Series One Channel Electronic Time Switches are compact 24-Hour/7-Day modules with heavy-duty relay contacts for switching low or line voltage loads. The time switches are applicable for time-of-day control of pumps, fans, heaters, HVAC control circuits, lighting, machinery and many other types of commercial, industrial, and agricultural equipment.

Features

- 24-Hour or 7-Day applications
- Auto Daylight Saving Time Feature
- Easy-to-follow menu driven programming
- Surface/DIN Rail or Flush Mount available
- Battery backup
- Manual override with load status indication
- 50 setpoint programs
- 2 preset adjustable block programs
- Clear dust-cover
- 7 Available Languages:
English, German, French, Italian, Spanish, Portuguese, Dutch

Ratings

Size:	FM1D50A: 2.83" W x 4" H (72 mm x 102.5 mm) FM1D50E: 2.83" x 2.83" (72 mm x 72 mm)
Power Consumption:	4VA
Supply Voltage:	12, 24, 120, 240 VAC
Switch Rating:	SPDT relay
N.O. Contact:	½ HP, 120 VAC 1 HP, 240 VAC 12A, Ballast 120 VAC 8A, Ballast 240 VAC 720 VA, 240 VAC Pilot Duty 360 VA, 120VAC Pilot Duty 600W, Tungsten 120 VAC
N.C. Contact:	16A, 277 VAC Resistive, 8A, 24 VDC 360 VA, 120 VAC Pilot Duty
Wiring Connections:	FM1D50A Models: Screw terminals for #10 to #24 AWG Wire FM1D50E Models: ¼" quick connect terminals
Operating Temperature:	-13°F to 131°F (-25°C to 55°C) (limited display function at -13°F)
Shipping Weight:	FM1D50A: .53 lbs. FM1D50E: .26 lbs.
Warranty:	Limited 1 year



FM1D50A & FM1D50E Series



Model Number	Voltage	Programs	Mounting
FM1D50A-12*	12 VAC/VDC, 50/60 Hz	50	Surface/DIN Rail
FM1D50A-24*	24 VAC/VDC, 50/60 Hz	50	Surface/DIN Rail
FM1D50A-120	120 VAC, 50/60 Hz	50	Surface/DIN Rail
FM1D50A-240	240 VAC, 50/60 Hz	50	Surface/DIN Rail
FM1D50E-12*	12 VAC/VDC, 50/60 Hz	50	Flush
FM1D50E-24*	24 VAC/VDC, 50/60 Hz	50	Flush
FM1D50E-120	120 VAC, 50/60 Hz	50	Flush
FM1D50E-240	240 VAC, 50/60 Hz	50	Flush

*Model will operate on AC or DC

Specification

Furnish and install a Grässlin FM1D50____ 24-Hour/7-Day electronic time switch. This 1-circuit control shall have 24-Hour/7-Day programming and also offer 25 ON and 25 OFF setpoint programs and include 2 preset block programs to allow a selection of any combination of days for different weekday schedules. The LCD shall display time-of-day in AM/PM or 24-Hour (military time) format and provide load status indication. Auto Daylight Saving Time adjustment 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. The SPDT relay output will be rated for 16A Resistive @ 277 VAC. Reserve carryover of 3 years (non-replaceable, non-rechargeable battery). The time switch shall be _____ (Surface)(DIN Rail)(Flush Mountable).

Diagrams

