

Installation Instructions

TimeMaster

GMXFM1D & GMX2FM2D Series

Electronic Time Controls

GRÄSSLIN™

by INTERMATIC®

WARNING Risk of Fire or Electric Shock

- Disconnect power at the circuit breaker(s) or disconnect switch(es) before beginning installation or servicing.
- Do not use the manual off position of the timer for equipment servicing. Always disconnect the power at the circuit breaker(s) or disconnect switch(es).
- Use COPPER conductors ONLY.
- Wire in accordance with national and local electrical code requirements.

APPLICATION

The GMXFM1D and GMX2FM2D Series are universal electronic time switches within UL TYPE 1 indoor or UL TYPE 3R outdoor enclosures intended for the control of lighting, heating, air conditioning, pumps, motors, or general electrical circuits in residential, commercial, industrial and agricultural facilities. Basic models are:

Series	Description
GMXFM1D20	1 channel SPDT 20 program electronic
GMXFM1D50	1 channel SPDT 50 program electronic
GMX2FM2D50	2 channel 2 x SPDT 50 programs

SPECIFICATIONS

Switch Rating: SPDT Switch

GMXFM1D Series Switch Ratings:

N.O. Contact:

- 1/2hp, 120 V ac
- 1hp, 240 V ac
- 8 A, 24 V dc resistive
- 16 A, 277 V ac resistive
- 12 A Ballast, 120 V ac
- 8 A Ballast, 240 V ac
- 720 VA 240 V ac Pilot Duty
- 360 VA 120 V ac Pilot Duty
- 1000W Tungsten, 240 V ac
- 600W Tungsten, 120 V ac

N.C. Contact:

- 16 A, 277 V ac resistive
- 8 A, 24 V dc Pilot Duty
- 360 VA, 120 V ac Pilot Duty

3 year Reserve (Non-Replaceable Battery)

GMX2FM2D Series Switch Ratings:

N.O./N.C. Contact:

- 1/2 hp, 120V ac
- 1hp, 240V ac
- 16A, 277V ac resistive
- 12A Ballast, 120V ac
- 8A Ballast, 240V ac
- 720 VA 240V ac Pilot Duty
- 360 VA 120V ac Pilot duty
- 1000W Tungsten, 240V ac
- 600W Tungsten, 120V ac



GMXFM1D20

INSTALLATION

Note: For outdoor locations, Raintight or wet location conduit hubs that comply with requirements of UL 514B (standard for fittings for conduit and outlet boxes) are to be used

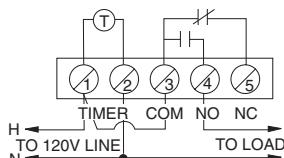
1. Remove 2 screws retaining the interior cover panel and remove panel by prying out with a thin blade at the top.
2. Select knockouts to be used. Remove the inner (1/2") knockout by inserting a screwdriver in the slot and carefully punch knockout loose. Remove slug. If the 3/4" knockout is required, remove the outer ring with pliers after removing the 1/2" knockout. Smooth edges with knife if necessary.
3. Place enclosure in desired mounting location and mark the three mounting holes.
4. Drill holes for #10 screws, start screws in holes.
5. Place enclosure over screws and tighten screws.
6. Connect conduit hubs to conduit before connecting the hubs to the enclosure. After inserting hubs into enclosure, carefully tighten hub lock nut. Do not over-torque.
7. Wire in accordance with National and Local Codes.
8. Replace interior cover panel and 2 screws.

Grounding: This enclosure is of plastic construction and does not require a ground connection and does not require bonding in pool applications.

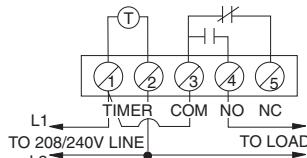
This enclosure does not provide grounding between conduits. When using non-metallic conduit or cable, connect the ground wires of all cables together with a wire nut. When metallic conduit is used, use grounding type bushings and a jumper wire between each conduit.

Typical Wiring Diagrams

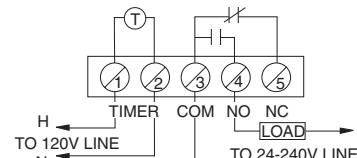
120V Timer, 120V Load



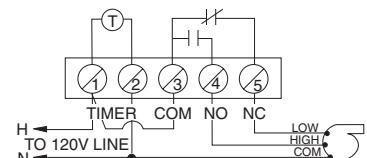
208/240V Timer, 208/240V Load



120V Timer, 24V, 120V, or 240V Load



120V Two Speed Fan



GMXF1D and GMX2FM2D Series Program Schedules

Prog	ON/OFF	h	m	Day(s)
Ex	On	7 am	30	Mon., Tue., Wed., Thurs., Fri.
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