


Installation Instructions for **HMI** HOYME **TMADP - 1102 - TPX**
Interconnects a 24Vac Interval Timer and/or 120Vac Manual Switch to:
Exhaust Fan, Furnace Circulation Fan and Fresh Air Inlet Damper
Relay Coils: One-120Vac and One-24Vac Contact Points: 10/05 Amps

Installation Of This Adaptor Shall Be In Accordance With The Requirements Of the Authorities Having Jurisdiction.

Refer also to **HMI** Installation Instructions: **ADP-1102-TPX; ADP-1102-S5A; ADP-1101-05A; and ADP-0241-05A.**

TMADP-1102-TPX



4" x 8 1/4" x 2 1/2"
101 x 206 x 64 mm 

This **TMADP-1102-TPX** adaptor with **two** relays and a 24Vac **interval timer**, together with a **central ventilation switch**, acts as an automatic/manual control centre to **simultaneously** start a principal **exhaust fan**, turn on a **furnace fan**, and **open** a fresh air **inlet damper** (If used).

Fitness of this Timer/Adaptor combination to satisfy air supply requirements for fuel fired appliances during operation of the inter-connected exhaust fan(s) shall be investigated by the enforcing authorities.

Air intake duct installation shall be in accordance with: In Canada - CAN/CSA B149 & B139; In the USA – ANSI/NFPA 54, 2006, ANSI Z223.1 and/or local codes including local codes relating to ventilation air duct installation.

I.D.: TMADP -1102 -TPX c/w 24Vac interval timer; -1 relay: Coil -120Vac, Contacts 5 Amps; -1 relay: Coil - 24Vac, Contacts 10 Amps.

- Adaptor line voltage leads connected to the appliance controlled line voltage shall be suitably cabled, fastened and enclosed in suitable raceways.
- Refer to local and applicable codes.
- Always conduct a thorough checkout after installation is complete.
- Affix appropriate labels and follow instructions and warnings on each label.

1. Turn thermostat to lowest setting.
2. Turn off electrical power to furnace.
3. Turn off electrical power to exhaust fan circuit.
4. Select suitable location for **TMADP-1102-TPX**.

Connecting Adaptor to 24Vac circuit:

5. Connect:
TMADP terminal **5** to **Furnace R**;
TMADP terminal **3** to **Furnace C**; and
TMADP terminal **6(G_F)** to **Furnace G**.

NOTE: If thermostat wire G is connected to Furnace G, disconnect it from Furnace G and reconnect it to TMADP 7(G_T) Then connect TMADP 6(G_F) to furnace G.

Connecting Adaptor to 120Vac circuit:

6. Connect:
TMADP RED wire to 120Vac live;
TMADP BLACK wire to controlled side of fan switch;
TMADP WHITE wire to 120Vac common.
Follow applicable codes.

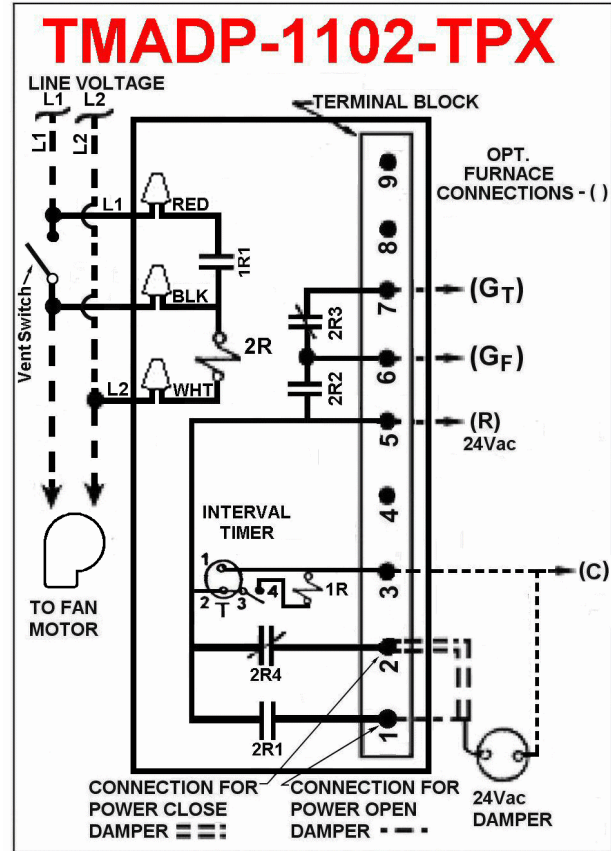
TMADP - 1102 - TPX

Installing 24 Vac Damper (If used):

7. Mount inlet **Damper** in a suitable location on the return plenum and fasten inlet duct to the damper. Damper may also be placed **in-line** with inlet duct. Connect the two motor wires to **TMADP** terminals 3 & 1 for **Power Open** damper - or - **TMADP** terminals 3 & 2 for **Power Close** damper.
8. **TIMER:** Set cycles as per instructions with it.
9. Turn on 120Vac power supply to exhaust fan and 120Vac power supply to furnace.
10. Turn on manual exhaust fan switch. Exhaust fan, furnace circulation fan (if not running) and damper will respond simultaneously. Turn off exhaust fan switch.
11. Turn interval timer clockwise through one full turn (24 hrs.) to test chosen settings. Exhaust fan, furnace circulation fan and damper will respond simultaneously for each setting. Set timer for time of day.
12. Turn thermostat to normal setting and furnace will operate normally.

Note: Use TMADP-1103-TPX and follow its Installation Instructions if inlet damper is to open also during furnace firing.

SCHMATIC WIRING DIAGRAM OF TMADP-1102-TPX INTER-CONNECTED TO FURNACE CIRCULATION FAN CONTROL, PRINCIPAL EXHAUST FAN AND FRESH AIR INLET DAMPER.



Note: this marking is also on label to be affixed adjacent to appliance wiring diagram.

Additional wire shall be of the same size as originally used when completing electric circuits.