SATRONIC TMG 740-3

Product Data Sheet

TMG740-3 MOD 43-35

Timed burner control box

NOMINAL SUPPLY	NOMINAL FREQUENCY	POWER CONSUMPTION	OUTPUT TERMINAL CURRENT
220/240 V AC; -15% to +10%	**50 Hz; operating range 40-60 Hz**	**Approximately 15 VA**	**4 A maximum**

Honeywell TMG740-3 MOD 43-35 is a Satronic burner control box for intermittent oil, gas and dual-fuel operation. Its cam-program sequence coordinates pre-purge, ignition and flame-establishment intervals. The front panel combines a lockout-reset control, a colored program indicator and a five-LED flame-signal display.

01 TECHNICAL DATA

Nominal supply	220/240 V AC; -15% to +10%
Nominal frequency	50 Hz; operating range 40-60 Hz
Power consumption	Approximately 15 VA
Output terminal current	4 A maximum
Total switched current	6 A maximum
External fuse	10 A rapid or 6 A slow
Supervised pre-purge	32 s
Open-damper pre-purge	40 s
Fixed pre-ignition	4 s
Start valve safety interval	3 s

Honeywell Satronic TMG 740-3, MOD 43-35 timing and installation data.

02 ADDITIONAL PRODUCT DATA

Pilot valve safety interval	3 s
Pilot valve on-time	14 s
Main valve 1 safety interval	5 s
Valve delays	Valve 1: 10 s; valve 2: 10 s
Post-purge	10 s

03 PRODUCT FUNCTION

The MOD 43-35 timing column specifies a 32-second supervised pre-purge, 40-second open-damper pre-purge and 4-second fixed pre-ignition. Start and pilot safety intervals are both 3 seconds, and post-purge is 10 seconds. The control box uses a nominal 220/240 V AC supply and supports the documented ionization, UV or infrared detector arrangements.

04 SYSTEM COMPATIBILITY

Match the 220/240 V AC supply and protective fuse to the installation. The stated limits are 4 A per output terminal and 6 A total. Program times vary proportionally with AC frequency, so the nominal 50 Hz schedule must not be assumed unchanged on another frequency.

05 REFERENCE

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AMIKON PRODUCT SUPPORT

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