

TMG-740-3-MOD-43-35

Satronic TMG 740-3 Mod. 43-35 burner control box

CONTROLLED ENGINEERING COPY

Isolate burner power and fuel, verify the Mod. 43-35 programme, detector selector, base wiring and air-proving circuit, then repeat the complete burner safety test.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TMG-740-3-MOD-43-35
Manufacturer part	TMG-740-3-MOD-43-35
Hardware type	220/240 V AC, -15% to +10%
System family	Honeywell Satronic burner control



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete TMG-740-3-MOD-43-35 marking and its assigned Honeywell Satronic burner control position before work.
- 2

Place the connected forced-draught gas burner control process in the approved maintenance state.
- 3

Isolate applicable power and burner purge, ignition, fuel-valve and flame-supervision signals field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- TMG plug-in base
- approved flame detector
- air-proving switch
- burner motor, ignition and fuel valves

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	TMG-740-3-MOD-43-35 / TMG-740-3-MOD-43-35 recorded
Physical interface	TMG plug-in base
Companion check	approved flame detector
Functional proof	Controls forced-draught burner start sequences
Application test	Forced-draught gas burner control

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Supply voltage	220/240 V AC, -15% to +10%
Supply frequency	50 Hz; permitted 40 to 60 Hz
Power consumption	Approximately 15 VA
Fuse rating	10 A rapid or 6 A slow
Maximum current per output	4 A
Maximum total current	6 A
Protection	IP44
Ambient temperature	-20 to +60 degC
Pre-purge, air damper open	40 s for Mod. 43-35
Pre-ignition time	4 s
Start-valve safety interval	3 s
Weight including base	1.1 kg

FIELD NOTE

Isolate burner power and fuel, verify the Mod. 43-35 programme, detector selector, base wiring and air-proving circuit, then repeat the complete burner safety test.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	TMG-740-3-MOD-43-35 / TMG-740-3-MOD-43-35 recorded
Physical interface	TMG plug-in base
Companion check	approved flame detector
Functional proof	Controls forced-draught burner start sequences
Application test	Forced-draught gas burner control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed TMG plug-in base and approved flame detector against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended dual-fuel burner sequencing function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	TMG-740-3-MOD-43-35
INSTALLED POSITION	Documented Honeywell Satronic burner control position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
ABB DSQC346G	Related industrial automation product	View ABB DSQC346G page
Siemens 6ES7317-2EK13-0AB0	Related industrial automation product	View Siemens 6ES7317-2EK13-0AB0 page
Siemens 6ES7317-2AJ10-0AB0	Related industrial automation product	View Siemens 6ES7317-2AJ10-0AB0 page
ABB RRIA-01	Related industrial automation product	View ABB RRIA-01 page
Epro PR9268-200-000	Related industrial automation product	View Epro PR9268-200-000 page
Bently Nevada 330104-01-05-10-02-00	Related industrial automation product	View Bently Nevada 330104-01-05-10-02-00 page
Bently Nevada 330101-20-36-10-02-00	Related industrial automation product	View Bently Nevada 330101-20-36-10-02-00 page
Bently Nevada 330709-000-130-10-02-00	Related industrial automation product	View Bently Nevada 330709-000-130-10-02-00 page

SOURCE IDENTIFIERS

Honeywell/Satronic official burner control manual
TMG 740-3; 535e/05/03

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

