

Honeywell TMG740-3-MOD-43-35

Burner Control Box

Honeywell TMG740-3-MOD-43-35 sequences purge, ignition, flame proving and staged fuel-valve operation for forced-draught and dual-fuel burners using the documented 43-35 programme timing.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	Isolate Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	Control Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Evidence and release scope

- Exact identity: Honeywell TMG740-3-MOD-43-35
- Primary evidence: Honeywell Satronic TMG 740-3 Product Information 535e/05/03
- Supporting evidence: Honeywell Satronic TMG 740-3 Mod. 43-35 programme timing table
- Purpose: support controlled identification, preparation and acceptance without transferring sibling-model data.

Readiness checklist

Exact identity	Honeywell TMG740-3-MOD-43-35 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Flame input	Ionisation probe, UVZ 780 UV sensor or IRD 820/1020 infrared detector
Air circuit	Air proving switch plus monitored MIN and MAX damper positions
Fuel outputs	Pilot/start valve and staged main-valve sequence
Operator indication	Lockout reset lamp, programme indicator and five-stage flame signal LEDs

Engineering questions to close

- Installed assignment: confirm the physical location and functional duty against the controlled drawing.
- Interfaces: verify every connected device, termination and selector state before work.
- Energy boundary: identify all electrical, mechanical, process or stored-energy sources.
- Return-to-service boundary: agree the expected states, tests and sign-off authority in advance.

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record

- Nameplate record: model, suffix, revision and label condition.
- As-found record: position, connections, settings and fault indication.
- Source record: manufacturer document title, revision and applicable section.
- As-left record: measured results, restored configuration and outstanding actions.

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1 Keep flame-detector cables within the specified length and separate from mains wiring.	2 Prove the air switch and MIN/MAX damper confirmations before permitting fuel release.
3 Do not open the burner control box; treat it as a safety device.	4 Commission with closed-hand-valve and flame-loss tests, then record lockout performance.

Acceptance evidence to capture

- Visual acceptance: correct identity, secure mounting, intact connector or container condition.
- Functional acceptance: expected sequence, status, signal or service result is demonstrated.
- Protection acceptance: alarms, interlocks and fail-state response are confirmed.
- Documentation acceptance: evidence is dated, attributable and stored with the maintenance record.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete Honeywell model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
Honeywell C7076A1015 UV flame detector	Portfolio reference only; verify compatibility independently.
Honeywell FC-OPP-0002 quad processor	Portfolio reference only; verify compatibility independently.
Honeywell FS-PDC-FTA24P power cable	Portfolio reference only; verify compatibility independently.



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