



TGRD6x and TGRD8x Types Gas burner controls

MAIN FEATURES

- Program versions for forced draft gas burners and atmospheric
- TGRD versions available with post-purge function available
- Multicolor indications of operating status and fault status messages
- Controlled intermittent mode after 24 hours of continuous operation
- TGRD versions available with limitation function of the number of repetitions
- External reset facility
- TGRD versions suitable for EN676 and EN746 applications
- Approval based on **Gas Appliances Regulation** EU 2016/426 European Standard EN298:2012, versions available with approval based on UL 372 / CSA C22.2 No. 199

TGRD burner controls ensure reliable operation and supervision of 1-2 or 3-stage gas burners. The products have a high level of safety while offering ease of operation.

Burner controls of the TGRD line feature are equipped with a single-channel microprocessor system with periodic self-check and 2 independent shutdown paths for safety-related functions. The controls are also suitable for driving an interrupted pilot and air dampers by means of 1 or 2 wires of a modulating thermostat. An ionization probe or FD... sensor is used for flame supervision.

Technical data (extract)

For further information see data sheets 14540.

Mains voltage:	200÷240V~ +10% / -15% @ 50/60Hz
On request:	100÷120V~ +10% / -15% @ 50/60Hz
Operating temperature range:	-20°C ÷ +70°C
Ambient humidity:	95% max @ 40°C
Protection degree (with connecting socket):	IP 00
Maximum cables length:	
- Thermostat (T) and external reset (RE):	20 m
- external components:	1 m

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- Electromagnetic compatibility EMC (immunity) 2014/30/EU
- Low-voltage directive 2014/35/EU
- Gas appliances directive 2009/142/EC until 20 April 2018)
- Gas appliances regulation (EU) 2016/426 (from 21 April 2018)
- EC - type certification (CE PIN 0476CR0813)

kiwa
Approved



EC
TYPE
EXAMINATION

G A S T E C

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UE
TYPE
EXAMINATION

G A S T E C

- UL 372 and CSA C22.2 No. 199
- File No. MH46742

CAUS

Part reference	Main valves	Repetition	Remote Reset	Non-volatile Lockout	On board Ignitor	t _{tw} max	t _{TP} min	t _{TS} max	t _{Tj} min	t _{Tdk} max	t _{Tdq} min	t _{Tdw} min
Devices for forced draft burners up to 120kW capacity												
TGRD61 opt. Y3R0 K Q16 W8	V 1	3x	✓	(1) (2) (3)	✓	2 s	30 s	3 s	3 s	1 s	16 s	8 s
Devices for forced draft burners with 2-stage, without air damper												
TGRD62 opt. J3 V K Q16 W8	V 2	---	✓	(1) (2) (3) (4)	✓	2 s	5 s	3 s	3 s	1 s	16 s	8 s
TGRD63(*) opt. J3 V K Q12 W3 S MT5	V 3	---	✓	(1) (2) (3) (4)	✓	2 s	20 s	3 s	3 s	1 s	12 s	3 s
TGRD82 opt. A K W3	V 2	---	✓	(1) (2) (3)	---	2 s	15 s	3 s	0 s	1 s	---	3 s
Devices for forced draft burners with 2-stage, with air damper												
TGRD62 opt. SA J3 V K Q16 W8	V 2	---	✓	(1) (2) (3) (4)	✓	2 s	5 s	3 s	3 s	1 s	16 s	8 s
TGRD63(*) opt. SA J3 V K Q12 W3 S MT5	V 3	---	✓	(1) (2) (3) (4)	✓	2 s	20 s	3 s	3 s	1 s	12 s	3 s
TGRD82 opt. SA J3 V K Q16 W8	V 2	---	✓	(1) (2) (3) (4)	---	2 s	30 s	5 s	3 s	1 s	16 s	8 s
Devices for atmospheric burners												
TGRD63(*) opt. G J2 W10 MT18	V 3	---	✓	(1)	✓	2 s	10 s	5 s	2 s	---	---	10 s
TGRD81 opt. G J1 Y2 I5	V 1	2x	✓	(1)	---	2 s	1 s	5 s	1 s	---	---	---

(4) Lost flame during operation.

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