DS-TMG521
Barrier gates with curved boom pole



- DC frequency conversion. The rising and falling speeds can be adjusted independently. The boom pole can rise in high speed to let the vehicle pass quickly.
- The boom pole can fall in low speed to avoid hitting vehicle and pedestrian.
- High protection level. The chassis is produced with 1.5 mm cold rolled steel sheets in numerically-controlled precision(Barrier Housing Door Thickness is 1.2 mm). The surface is coated with plastic powder which is anti-UV, antistatic, non-peeling, and non-fading. The dustproof and waterproof level conforms to IP54.
- Multiple control modes. Rising priority. The boom pole can be controlled via relay, remote controller, and software command.
- Multiple anti-hitting modes via induction, IR, pressure wave, etc.
- The boom pole direction is adjustable from left to right, or from right to left.
- Anti-condensation. The electric motor is in low consumption even when the barrier gate is not in working status, which will keep the motor in normal temperature. So even in cold weather, the lube will not be frozen to guarantee the normal running of barrier gate.
- Auto lock. Even when the power is cut off, you can use tool to keep the barrier gate working.

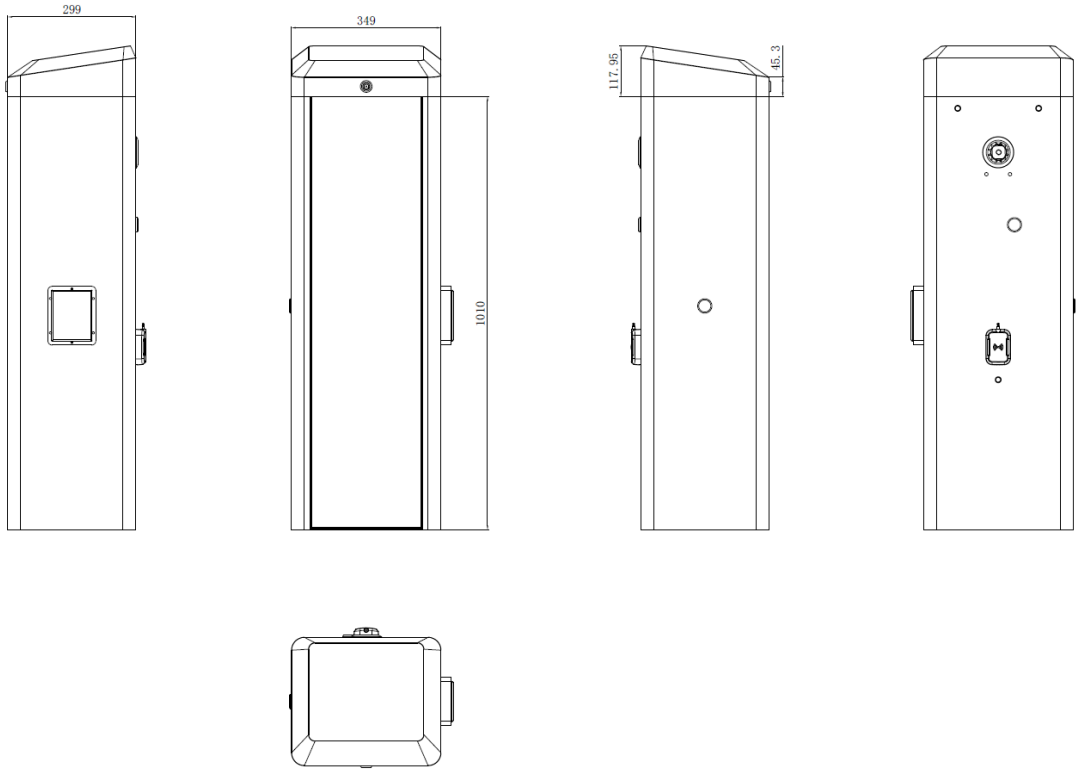
▪ Specification

Barrier Housing	
Barrier Housing Material	SGCC
Barrier Housing Thickness	1.5 mm
Barrier Housing Door Thickness	1.2 mm
Barrier Housing Color	Orange
Barrier Housing Door Color	Orange
Boom Pole Installation Height	880 mm
Body Indicators	without indicator
Barrier Gate General	
Matched Boom Pole Type	Folding pole: 1.5+1.5 m, 2+2 m, 2.5+2.5 m
Boom Pole Direction	right by default, direction switchable
Boom Pole Falling Delay	10 s by default (configurable), min. 10 s (every 10 s followed a gap)
Number of Cycles	5000000
Motor Type	DC brushless motor
Working Voltage	220 VAC ± 15%
Remote Controller Frequency	433 MHz
Current	Max. 4 A
Consumption	300 W
Temperature and Humidity	-30 °C to 70 °C (-22 °F to 158 °F)
Rising Boom Pole for Poweroff	Optional, not supported by default
Barrier Gate	
Boom Pole Length	1.5+1.5 m 2+2 m 2.5+2.5 m
Rising Speed	1.5+1.5 m: 0.9S(Default) Adjustable 0.9S, 1.2S, 2S 2+2 m: 1.5S(Default) Adjustable 1.5S, 2S, 2.5S 2.5+2.5 m: 4S(Default) Adjustable 4S, 5S, 6S
Falling Speed	1.5+1.5 m: 3S(Default) Adjustable 1.5S, 2S, 3S 2+2 m: 3.5S(Default) Adjustable 2.5S, 3S, 3.5S 2.5+2.5 m:6S(Default) Adjustable 4S, 5S, 6S
Duty Cycle	100%
Interface	
Rising to Limit	1 group
Falling to Limit	1 group
Open	1 group
Close	1 group
Stop	1 group
IR/Inductive Loop/Radar	1 group
RS-485	1 group
Traffic Signal Light	1 group, external power supply required, max. 220 VAC supported
Network	1 group (reserved)
Boom Pole	
Boom Pole Type	folding pole

Boom Pole Weight	1.5 + 1.5 m: 5 ± 0.3 kg (11.02 ± 0.66 lb.) 2 + 2 m: 6.35 ± 0.3 kg (14 ± 0.66 lb.) 2.5 + 2.5 m: 7.45 ± 0.3 kg (16.42 ± 0.66 lb.)
Boom Pole Material	AL6061
Boom Pole Dimensions (with Package)	1.5 + 1.5 m: 220 × 90 × 1720 mm (8.66 × 3.54 × 67.71 inch) 2 + 2 m: 220 × 90 × 2220 mm (8.66 × 3.54 × 87.4 inch) 2.5 + 2.5 m: 220 × 90 × 2720 mm (8.66 × 3.54 × 107.09 inch)
Boom Pole Color	White background with red bar
Boom Pole Weight (with Package)	1.5 + 1.5 m: 5.46 ± 0.3 kg (12.04 ± 0.66 lb.) 2 + 2 m: 6.63 ± 0.3 kg (14.62 ± 0.66 lb.) 2.5 + 2.5 m: 8.0 ± 0.3 kg (17.64 ± 0.66 lb.)
Boom Pole Dimensions	1.5 + 1.5 m: 178 × 79 × 3065.5 mm (70.08 × 31.1 × 1206.89 inch) 2 + 2 m: 178 × 79 × 4065.5 mm (70.08 × 31.1 × 1600.59 inch) 2.5 + 2.5 m: 178 × 79 × 5065.5 mm (70.08 × 31.1 × 1994.29 inch)
Approval	
RF	CE-RED EN 300220-1 V3.1.1 EN 300220-2 V3.1.1 EN 301489-1 V2.2.3 EN 301489-3 V2.1.1 EN IEC 62311: 2020
EMC	CE-EMC： EN 55032: 2015 + A11: 2020 + A1: 2020, EN IEC 61000-3-2: 2019 + A1: 2021, EN 61000-3-3: 2013 + A1: 2019 + A2: 2021, EN 50130-4: 2011 + A1: 2014
Security	CE-LVD: EN 62368-1: 2014 + A11: 2017 CB: IEC 62368-1: 2014 IEC 62368-1: 2018
Environment	ROHS
Protection	IP54
Package	
Barrier Housing Dimensions (L × W × H)	1130 × 349 × 299 mm (44.5 × 13.7 × 11.8 inch)
Body Weight	59.3 ± 5 kg (130.7 ± 11.0 lb.)
Body Dimensions (with Package, Without Boom Pole) (L × W × H)	1266 × 504 × 626 mm (49.84 × 19.84 × 24.65 inch)
General	
Boom Pole Type	Curved boom pole
Barrier Gate Series	5 series
Working Temperature & Humidity	-30 °C to 70 °C (-22 °F to 158 °F)
Power Supply	220 VAC ± 15%
Working Current	1.5 A

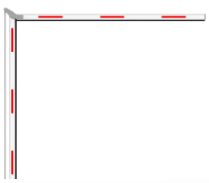
Working Consumption	300 W
Weight	59.3 ± 5 kg (130.7 ± 11.0 lb)
Color	Orange

▪ Dimension



▪ Accessory

▪ Included

DS-TMG050	DS-TMG002-5	DS-TMG012-5
		

▪ Optional

DS-TMG013-5	DS-TMG120 (barrier)	DS-TMG012-A1	DS-TMG022	DS-TMG023

				
DS-TVL221-1-6D	**TMG080-3**	**DS-TMG060-52**		
				

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