

FACT SHEET

KVS-102 School Bus Stop Safety Bar

It's a primary task for schools and school bus manufacturers to make sure of children's safety during the bus ride. As earlier as the 40's in the last century, most parts of the United States have legislated that when a school bus had the stop sign out, vehicle drivers from either direction must stop and wait for a stopped school bus loading or unloading (even the President's car must stop and wait).



Drivers convicted of such a violation are often punished by a heavy penalty or sentence. The law not only reflects the extra protection expected of the society for children, but also calls for special protection for children as they are not aware and uncertain about danger. Besides, as children tend to be small in body size and are not easily seen by drivers, accidents are highly possible. The stop safety bar is designed to prevent children from running to the front of the school bus in the blind zone of the driver after getting off. When a school bus comes to a stop, the safety bar must be put out to prevent accidents.



SPECIFICATION

Item	Specification
Operating Voltage	12VDC; 24VDC
Operating Current	< 1A (12V) or 0.5A (24V)
Standby current	< 80mA
Rotating angle	90°±5°
Clutch torque	end torque 50 Nm
Waterproof grade	IP65
Operating temperature	-25°C ~ 75°C
Weight	< 5 KG
Length	65 CM
Storage temperature	-40°C ~ 105°C
Dimension	40 mm × 89 mm × 100 mm

Installation

After a school bus starts off, if the safety bar needs to be put out, press the safety bar control switch to rotate it by 90 degrees clockwise.

Press again the safety bar control switch to retract the safety bar counterclockwise to zero degree (in parallel with the school bus). When the driver fails to press the control switch for retraction and the bus speed reaches 5KM/H, the safety bar will be retracted automatically.

After a school bus starts off, whatever state the safety bar may be in, the safety bar will be automatically retracted and closed. When the safety bar is blocked by external force during rotation, the rotation will stop after 25 seconds. The safety bar control switch is neutralized when the school bus speed exceeds 5KM/H, in order to protect the safety bar from scratching or impacting into other objects and to reduce traffic accidents.

*KOOGIE Co., Ltd. retains the right to modify design and specifications without prior notification.