▶SHUTR®◀

Gate

The wireless SHUTR Gate is part of the SHUTR family of products. This professional automated sliding damper's primary use is to control the flow of dust and air in a dust collection system.

The slide is electrically driven and closes or opens the gate within 2 seconds. Once shut, the connected flanged tubes are closed with specially developed airtight seals.

The SHUTR Gate can be used standalone or as part of a SHUTR Connect™ network. In case it is used standalone the gate can be operated with the rocker switch, a remote switch or any potential free contact connected by a wire to the gate.

The SHUTR Gate can be linked to a wireless SHUTR Controller and become part of a SHUTR Connect™ network. The gate can be activated by a wireless SHUTR Sensor or a wireless SHUTR Remote. Linking the Gate to a Sensor or Remote can be done with the pairing functionality. Pairing can either be simply done manually with a push button on the Gate or it can be performed with the SHUTR Connect app that connects to a SHUTR Controller.

The Gate complies with CE/ATEX**, internally for zone 21, externally zone 22, meaning that it can be used for certain explosion hazardous applications such as dust collection systems. The electronics housing is made of strong, UV-proof polycarbonate and fully sealed to level IP54, dustproof. The antenna for wireless operation is located inside the electronics housing. A brushless, maintenance free motor drives the slide.

In the dustproof cable compartment of the Gate there is room for cabling with connectors fitted. A special IP54 split gland allows for cables to be installed without removing the connectors saving installation time. A pushbutton for reset & pairing is also located in the cable compartment.

The connecting tubes, welded onto the body, are made of galvanized steel 1mm thick. The flanged edges are 6mm wide conforming to industry standards. The stainless steel slide slides in between pressure seals for an airtight lock. Openings in the blast gate body allow for cleaning with compressed air.

The Gate receives power from a small wall mount adapter. In the cable compartment there is a USB-A receptacle for optionally supplying 5V to a SHUTR Sensor, avoiding the need for a wall outlet for an external USB adapter.

The SHUTR Connect app is available for Apple® iOS and Google® Android.

Specifications*:

Model, part number	SHUTR Gate 100, 1010000100-050, for 100 mm ducting SHUTR Gate 120, 1010000120-050, for 120 mm ducting SHUTR Gate 150, 1010000150-050, for 150 mm ducting SHUTR Gate 160, 1010000160-050, for 160 mm ducting
Power consumption	24VDC 25Watt max, standby 2 Watts
Radio signal	2.412-2.462 GHz. FCC certified. Output power 19dBm. Range 50-100 meters in open space. Built-in antenna.
Communications	SHUTR Connect™ protocol, encrypted
Connections	- 24V DC power jack 5.5/2.1mm - USB-A 5V power supply for Sensor - Aux port 3.5mm mono Jack plug for optional remote switch 2-wire - Tabs for grounding wires (2x)
Operation	Stand-alone operation or as part of a SHUTR Connect™ network. Rocker switch for CLOSED/AUTOMATIC/OPEN. Push button for RESET/PAIRING inside cable compartment. LED indicator for open, standby, reset, pairing, fault mode. Open/close time < 2 seconds.
Body & shutter	Metal body (1.5mm) and flanged tubes (1mm) Tube inside ø 100mm, 120mm, 150mm, 160mm - flange width 6mm Stainless steel slide, 0.5 mm. POM seals, silicone pressure rings
Electronics housing	Polycarbonate, IP54, UV resistance F1 Ambient temperature range -20°C to +40°C
Safety	CE / ATEX 114**: II 2/3D Ex h tc IIIB T85°C Db/Dc X Indication of a malfunctioning gate after 3 retries. 'Default open' gate(s) in the system to prevent vacuum (SHUTR Connect™ network).
Conformity	Complies with EN61326-1, EN61010-1, EN300328, EN301489-1, EN301489-17, EN55011-A1-A11, EN61000-3-2, EN61000-3-3, EN62368-1, EN62311, EN63000
RoHs	Conforming to EN 63000
Warranty period	1 year ***
Package includes	Gate unit, cable cover, 24VDC wall mount adapter EU with 4 meter cable, jack plug 3.5mm, Installation/User Guide.

(*) Specifications may change without prior notice.
(**) ATEX certification pending
(***) Please refer to the Warranty clause on www.blastgate.com