

Functional description

DTE safety edges have a taugt wire inside a rubber extrusion mounted on an aluminium base strip. End on, or side pressure on the rubber stretches the wire operating the microswitch. A second microswitch monitors the taugt wire for failure.

Electrical connections under the top cover are protected by a hard or soft cover. A two core cable is required for the normally connected contact. Cables can be run to the other end inside the aluminium fixing strip.



Connections

DTE safety edges have two microswitches on a PCB under the clip on top cover. A two way plug in terminal block serves a normally connected contact going open circuit on edge pressure or wire failure.

Mounting

DTE used on the leading edge of swing will need a door loop to protect the cable across the hinge. Edges on sliding gates are likely to need a radio or optical transmission system. DTE on fixed posts or piers need a hardwired 2 core cable. Hide cable where possible to avoid vandalism.

There is a 5mm mounting hole at each end and a clip to fix the middle of the alu profile. The top 110mm and bottom 35mm are not pressure sensitive. Set the edge mounting height accordingly.

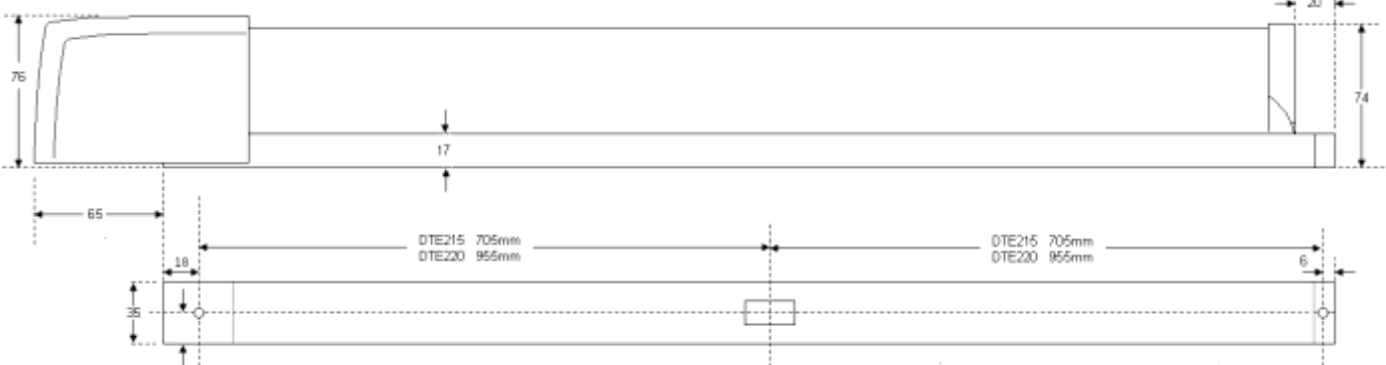
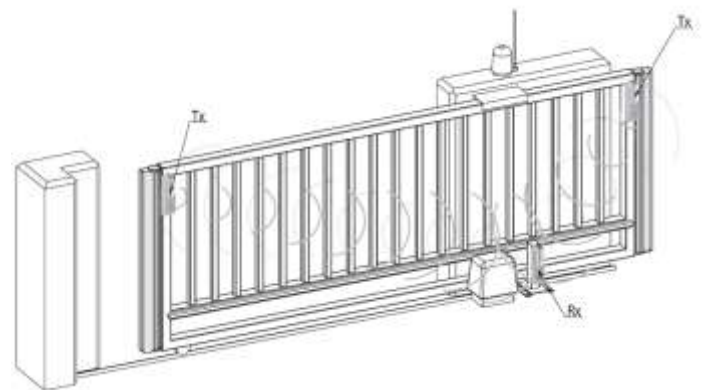
DTE specification	
Travel	40mm max
Switch point	15-20mm end on
Active length	135mm on DTE215 185mm on DTE220
Dimensions	1500 x 35 x 75mm 2000 x 35 x 75mm
Rating	1A@30V dc
Environmental	IP54

Adjustment

DTE's are available in 3 sizes. They can be cut down on site to suit the application. Correct operation relies on correct tension in the taugt wire, so be sure to reset the wire correctly.

The wire is terminated in the top with a cable clamp. There is a fine adjustment on the plastic swinging arm.

To set, increase wire taughtness bit by bit, checking that the lower microswitch switches and releases when pressure is released. If it is too tight the lower microswitch will stay activated when the you release the edge pressure.



Forematic

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