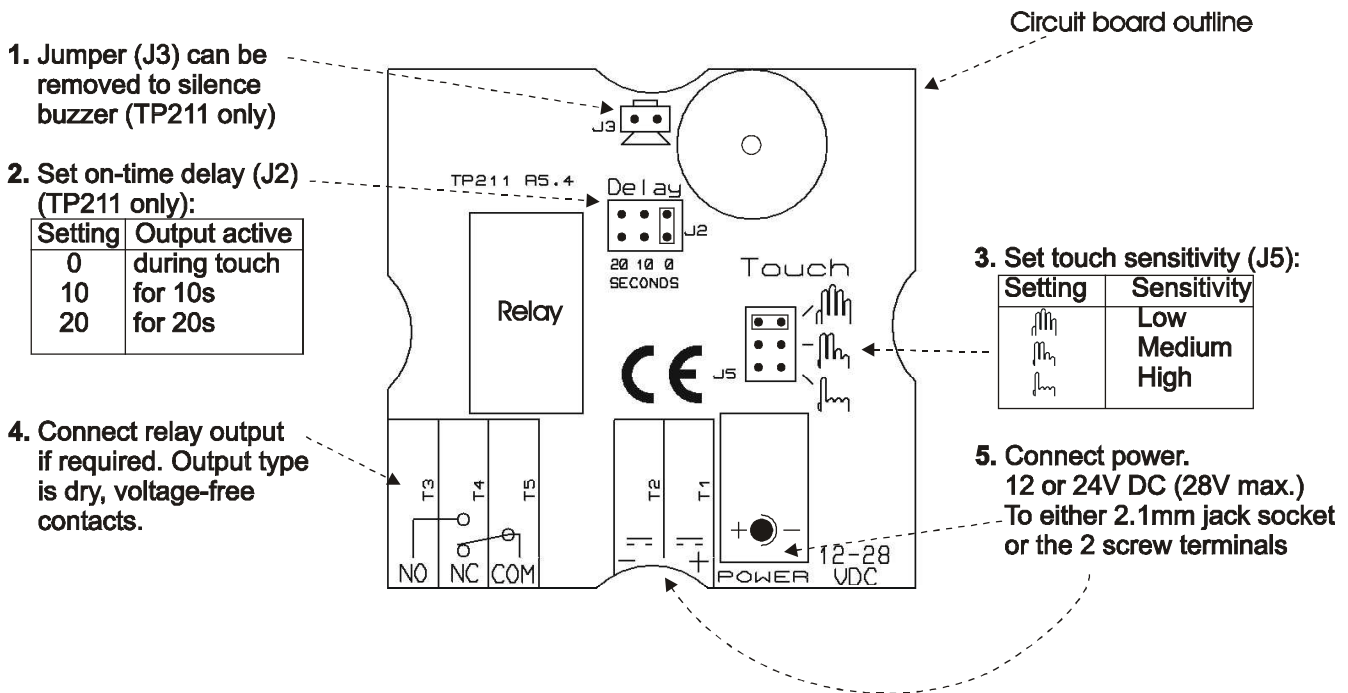


Electronic Touch Switch – TP210 & TP211

(Touch-to-Exit / Touch-to-Enter / Touch-for-Assistance / Bell)

Installation Instructions



Installation

Please read through both of these pages before installation or use.

In the box you should find: Touch unit with a brushed stainless steel faceplate (flush mount) and rear mounted circuit board. In addition, wall mount units are supplied with a 25mm deep steel mounting box, and window mount units are supplied with a plastic cover box and high-performance double-sided adhesive strips. **Option** (available separately): 38mm-deep brushed-aluminium surface case.

Test the unit operation **before** final mounting.

Do not mount near to **noisy mains cabling**. Close proximity to noisy mains circuits (eg wiring to unsuppressed fluorescent lighting) could cause false detections.

Wall mounting: ensure the circuit board and wiring will clear the mounting lugs in the back box. If necessary, mount the back box in a deeper recess.

Window mounting: test the position and unit operation first using standard adhesive tape to attach the plate to the window. If all is well, clean the window to ensure it is free of dirt and grease; Peel the plain backing off the high-performance adhesive strips supplied and apply along two opposite edges of the front face of the touch plate; Peel the opposite backing off both adhesive strips and push the faceplate firmly onto the window. Do not apply pressure to the PCB or the plastic cover box!

Connections

The two-part connectors may be detached from the board to ease wiring installation and reveal the terminal legends.

Relay Output	NC (Normally Closed)
	NO (Normally Open)
	COM (Common)
Power	+ (+12/24V DC)
	- (0V, Gnd)

Use & Testing

Before applying power, ensure the mounting is **mechanically stable**, otherwise false detections can occur. **Avoid moving** the unit after the power is switched on, otherwise it may take a few minutes to re-establish the calibration point. Also **avoid touching** the unit **during power-up**, otherwise the unit will calibrate to your fingers and then be insensitive for a few minutes until the calibration point is re-established.

Simply touch anywhere on the faceplate, or on the opposite side of the window, to operate, the entire faceplate area is touch sensitive. Depending on the installation site and sensitivity setting, the unit can be proximity sensitive and operate when an open palm is within a few centimeters. Configure the unit for the minimum practical sensitivity. When the unit is operated, an audible click should be evident as the internal relay is activated. The output will de-activate automatically when the touch is removed and the delay period has expired. If the unit is touched continuously for 10 seconds, the output will de-activate automatically. To re-activate, remove your touch, wait for the delay period to expire, plus a few more seconds and reapply touch.

Isolation

The faceplate **must not be earthed!** It must be electrically isolated from earth in order to operate. If the faceplate is window mounted or mounted on a plastic back-box / pattress, this will typically provide more than adequate isolation. If the faceplate is mounted onto a metal back-box, ensure that the back-box is not earthed. If the back-box cannot be isolated, isolate the faceplate from the back-box using plastic screws and an isolating gasket.

SPECIFICATIONS

Working Voltage (Max)	12/24V DC (12V to 28V). Battery operation not recommended
Current consumption	4mA quiescent (35mA max. when activated)
Output type	NO and NC, voltage-free, dry-contacts
Output rating	2A @ 30V DC
Sensitive area	Anywhere on faceplate / glass in front of faceplate
Calibration	Automatic. Fully self-calibrating, for life
Activation time	Adjustable to one of three positions (TP211 only): 0, 10 or 20s
Output indicators (TP211 only)	3mm LED, loud buzzer. Buzzer can be disabled by removing jumper
Plate dimensions	85mm x 85mm, 5mm corner radius
Rear clearance needed	19mm min.
Wall Mounting:	Holes, 60mm spacing
Window Mount:	Use high-performance double-sided adhesive supplied
Sensitivity	Proximity and touch, even through gloves or double-glazing
Faceplate material	Brushed stainless steel
Graphic	Recessed green or blue ink outline or solid infill

