

CAPACITIVE TOUCH SWITCHPANEL

A range of Capacitive Touch Switchpanels suited to applications where electronic sensing is required offering a variety of solutions in a single package.

The Chameleon family of Capacitive Touch Switchpanels can be used in a standalone form or in conjunction with a communications module attached to the rear realising full system integration. ITW Switches has the capability of programming the switch to meet the needs of each customer or application, providing a bespoke solution from a one size fits all device.

Contact us to learn more about the options available!

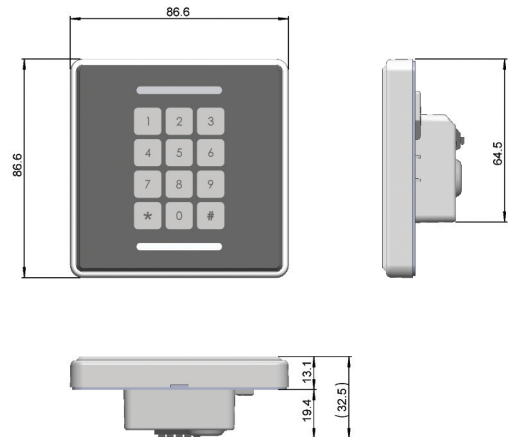
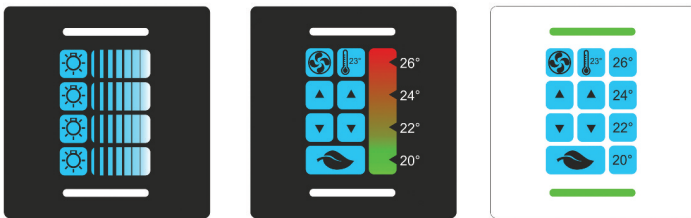
KEY FEATURES:

- Momentary / Maintained / Timed Actions
- Keypad / Single Switch Options
- Fits Industry Standard Single Gang Pattness
- Configurable Outputs
- Illumination Options
- Hi Brightness Tri Colour Illumination
- Solid State and Relay Outputs
- MODBUS over RS485
- Customisable Printed Graphic



EXAMPLES OF CUSTOM FASCIAS

DIMENSIONS



BEZEL OPTIONS

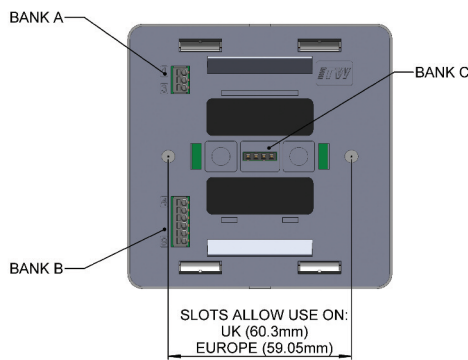
All dimensions in Millimetres



Black

White

STAND ALONE VERSION - MECHANICAL / FIXING & ELECTRICAL CONNECTIONS

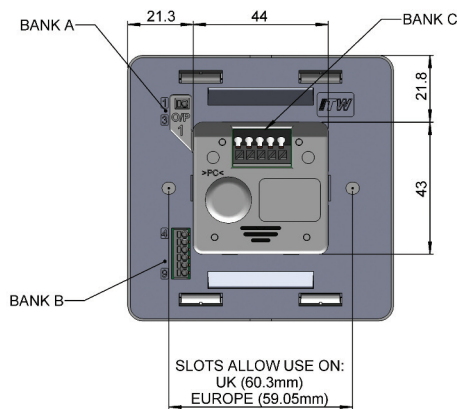


All dimensions in Millimetres

Bank	Pin	Function	Wire Size
A	1	O/C Output	Solid 0.14-0.5mm ²
	2	Supply Ground	Stranded 0.2-0.5mm ² AWG 24-20
	3	Supply Voltage (12-24VDC)	
B	4	Relay Pole 2 N/O	As Bank A
	5	Relay Pole 2 COM	
	6	Relay Pole 2 N/C	
	7	Relay Pole 1 N/O	
	8	Relay Pole 1 COM	
C (L TO R)	9	Relay Pole 1 N/C	4 Way Male Pin Header 2.54mm Pitch
	10	Ground	
	11	VPOS	
	12	Data 2	
	13	Data 1	

Note: Bank C contact ITW for usage

STAND ALONE VERSION - MECHANICAL / FIXING & ELECTRICAL CONNECTIONS



All dimensions in Millimetres

Bank	Pin	Function	Wire Size
A	1	O/C Output	As Bank B
	4	Relay Pole 2 N/O	
B	5	Relay Pole 2 COM	Solid 0.14-0.5mm ² Stranded 0.2-0.5mm ² AWG 24-20
	6	Relay Pole 2 N/C	
	7	Relay Pole 1 N/O	
	8	Relay Pole 1 COM	
	9	Relay Pole 1 N/C	
C (L TO R)	10	12-24VAC / 12-24VDC - See Note	0.2 - 1.5mm ² AWG 24-16
	11	12-24VAC / 12-24VDC - See Note	
	12	Ground / Data Common	
	13	Data +	
	14	Data -	

Note: Positive DC Voltage can be inserted into either Pin 10 or 11

MECHANICAL / ELECTRICAL / ENVIRONMENTAL CHARACTERISTICS:

Operating Mode:

Touch / Keypad

Switching Modes:

Momentary / Latched / Timed

Supply Voltage

Supply Voltage DC: 12 to 24V
Nominal

Supply Voltage AC: 12 to 24V
RMS Absolute min/max 50Hz

Temperature:

-30°C to + 60°C (Operating)
-35°C to + 65°C (Storage)

LED Colours:

Red / Orange / Green
(Selectable Light Intensity)

RELAY

DPDT

Max 28VDC / 28VAC

On Time: 2, 5, 10, 15, 20, 30, 40, 50
& 60 Seconds (Selectable)

Contact Bounce (maximum.):
5 milliseconds

Current / Power: 1A Continuous
20 W maximum

Switch Voltage: 100µV
minimum

Dielectric Strength: 1000V AC

Insulation Resistance: 1G Ohms

Life (Maximum): 500,000 Cycles

I/O Connections:

DPDT Relay
MODBUS over RS485
O/C Switched Output:
(100mA / 28V DC maximum)
Data Connectivity (I²C)
(Custom Option)
Universal I/O (x2) (Custom
Option)

Fascia: Customisable Bevel Lens

Front Panel Protection:

Ingress: IP65 With Seals Fitted
(IP40 Without)

Approvals: CE Mark Pending