

# Techtrol Flow Indicator Totaliser - TFIT

It is an advanced and sophisticated microcontroller based flow indicating totaliser. It can be used in conjunction with any flow transmitter to display flow as well as totalized flow.

## Salient Features :

- ☑ Accuracy 0.25% of FSD.
- ☑ Two character tank identification.
- ☑ RS 232 or RS 485 serial interface with modbus RTU protocol.
- ☑ Four relay output's independently configurable on flow rate/total flow.
- ☑ Password protection.
- ☑ Line x 16 character dotmatrix backlit LCD display.
- ☑ Re-transmission.
- ☑ Non-volatile memory for total flow.

## Construction & Operation :

It operates on an input signal of 4-20 mA or 1 to 5 VDC from the flow transmitter. This analog input is digitized through A to D convertor and then calibrated through its microcontroller, which also controls the output functions of display and relays as configured.

## Specifications :

Display	: 2 Line x 16 character dotmatrix backlit LCD display, 4mm height. 10 digit totalisation ( KL / ML / Lt), 5 digit flow rate (M3/H, ML/D, Lt/m, M3/m), 4 Red LED's for alarm status.
Accuracy	: $\pm 0.25\%$ of FSD.
Input	: 4-20mA or 1-5 VDC.
Calibration	: Zero and Span adjustment through 5 push button keys.
Relays	: 4 relays, SPDT
Relay Rating	: 5A, 230VAC, independently programmed for set-reset on flow rate.
Interface	: 4 - digit security code, 5 push button keys.
Protection	: Optical isolation for input & output. Lightening protection using MOV.
Response Time	: 60 m.sec.
General	: Power supply : 90 to 270 VAC, 50-60 Hz.
Amb. Temp.	: 0 to 60°C.
Amb Humidity	: 95 % Rh non condensing.
Power Consumption	: 4VA.
Supply to Transmitter	: 24VDC, 30mA (current input version).
Instrument	: a) ABS panel mounting, Protection : IP-41 : Size : 96H x 96W x 150mm depth, panel cutout : 92H x 92W. : b) Glass polyester, wall mounting, conduit conn : PG-13.5, Protection: w.proof IP-65 : Size : 160 x 160 x 90mm height. : c) Al wall mounting, conduit conn : 1/2" NPT, Protection : Ex proof Gr IIA & IIB : Size : 150 x 305 depth x 265mm height ( ' L' type).
Serial Communication	: RS232 or RS485 interface with modbus (RTU) protocol, Baud rate programmable.
Special Features	: 4-20 mA re-transmission (only current input version).

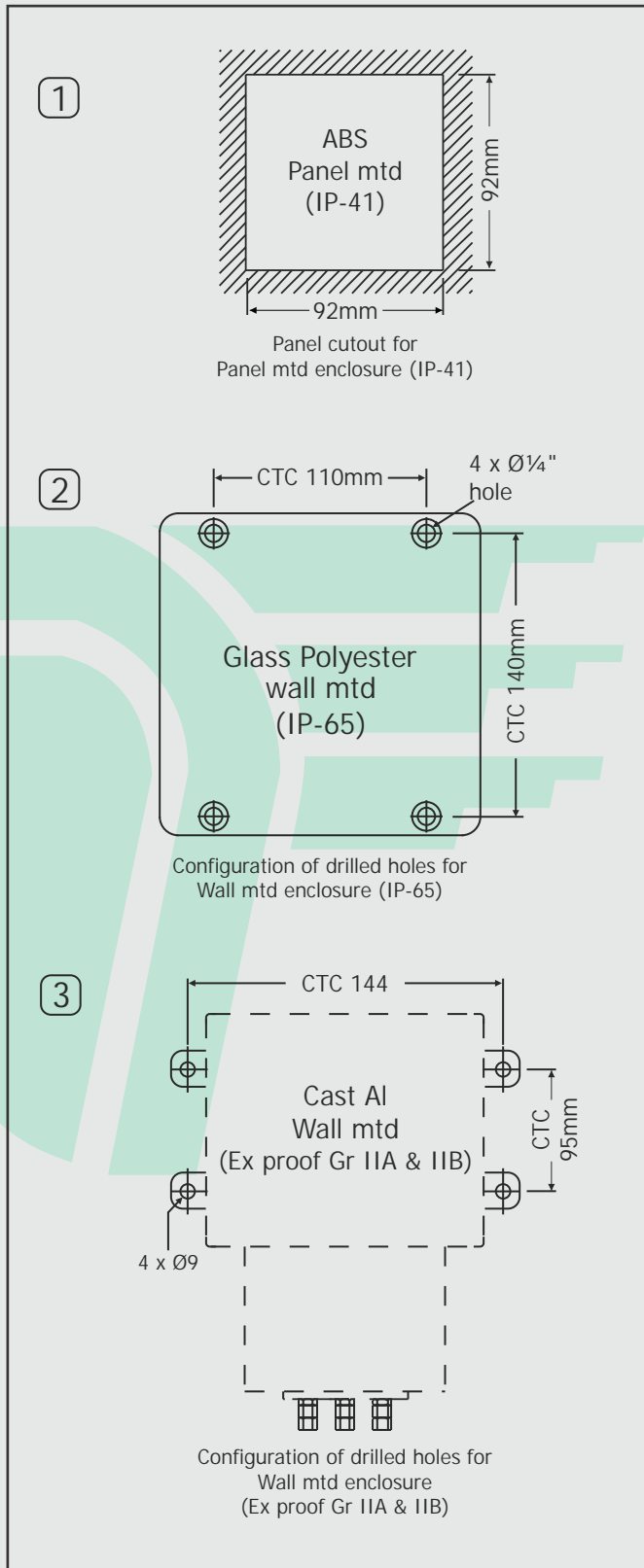
Panel mtd



Wall mtd



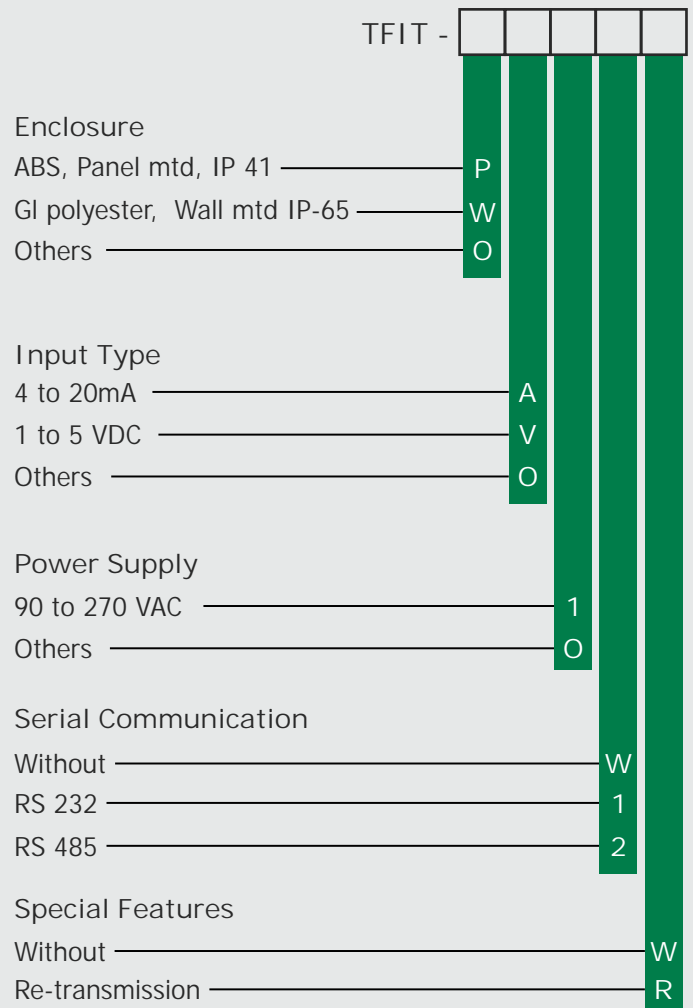
**Mounting Arrangement :**



**Ordering Information :**

Specify Model No & Range

**Model Identification :**



**Termination :**

