

BT11 SERIES TOTALISERS

Overview

The BT programmable self powered totaliser is specifically designed for computing & displaying totals from flowmeters or machinery with frequency, sine wave or pulse outputs. The instrument simultaneously displays resettable (batch) total & a cumulative total in engineering units as programmed by the user. Ultra low power consumption is a result of innovative design which provides as much as 10 years of service from the replaceable 3.6V lithium battery. The BT may also be externally powered by 8~24Vdc.

Control Outputs

The pulse output can be set as either a scaled or un-scaled pulse & is NPN/PNP selectable. The un-scaled pulse serves as a frequency amplifier for turbine or paddle wheel style flowmeters.

Features/Benefits

- Large 8 digit LCD batch total display & cumulative totaliser
- Robust IP66 field mountable housing with protection cover or DIN panel mount version
- Simple flow chart touch key programming
- Scaleable universal high speed pulse & frequency flow inputs
- Two stage control available for soft start & close sequencing .
- PIN protected programming
- Automatic overrun compensation
- Missing pulse (no flow) alarm
- Maximum batch size limiting
- Non volatile memory
- Multiple batcher interlock function (network up to 10 controllers)
- Reverse polarity protection

Programming

Simple PIN protected flow chart programming with English prompts guide you through the programming routine greatly reducing the need to refer to the instruction manual.

Options

- AC power + SPDT control relays
- Ecobatch batching systems
- Also available
- Battery totalisers
- Flow rate totalisers



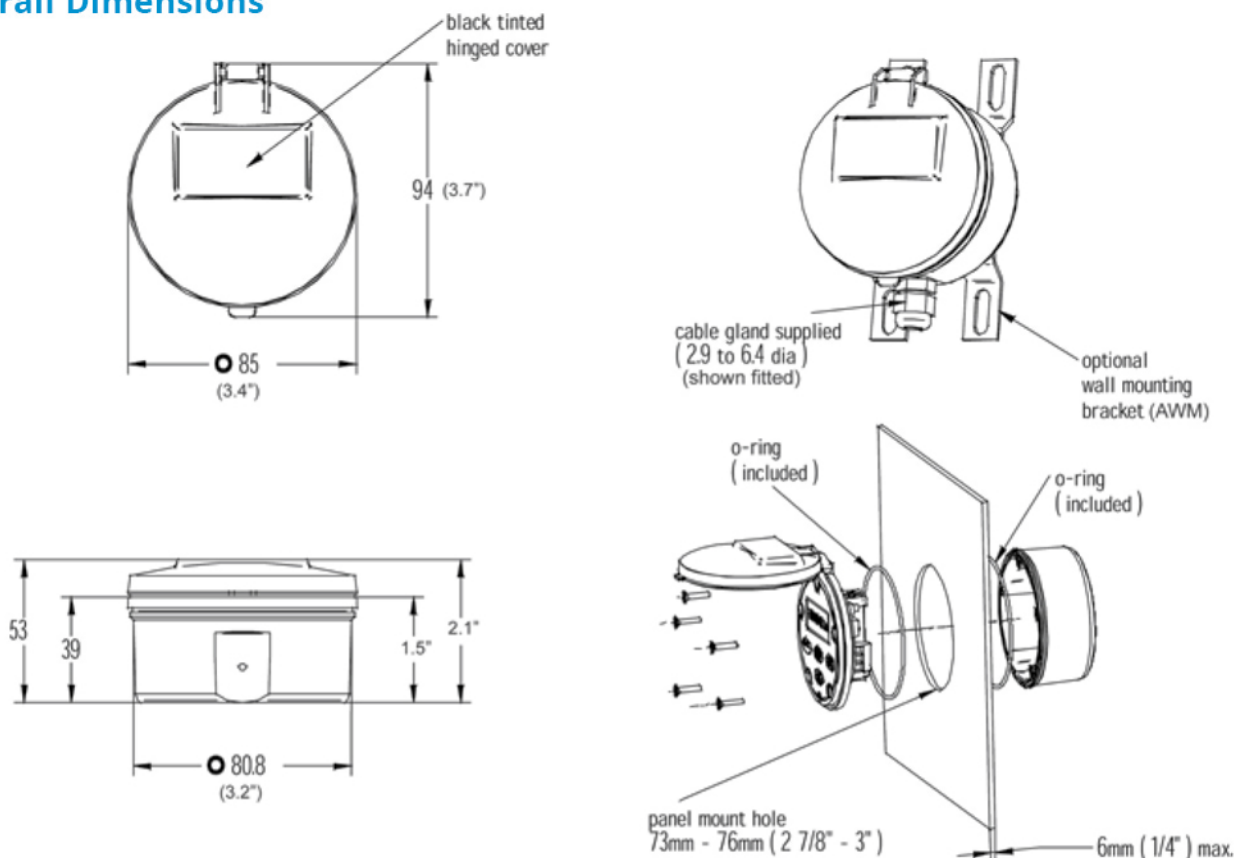
Specifications

Liquid crystal display (LCD)	alpha numeric LCD characters
Resettable total	5 digit x 7.5mm high, programmable to 3 decimal places
Accumulated total	8 digit x 3.6mm high, programmable to 3 decimal places
Engineering units displayed	litres, MLitres, gallons, Mgallons m3, lbs, kgs or no engineering units displayed
Input types (pulse & frequency)	reed switch, open collector, coil (15mV P-P min.), voltage, current, namur & other proximities
Max. input frequencies	coil 5Khz, hall 2.5Khz, namur 250hz
Input scaling range	0.001~9,999,999.999 with 3 floating decimal points
Pulse outputs	NPN/PNP selectable, non-scaleable (5Khz max.) or scaleable (8hz max.). The scaleable pulse output has a pulse width of 60msec
Operating temperature	-20~+80°C (-4~176°F), refer factory for higher / lower temp.
Power source	1 x 3.6V lithium battery, can last to 10 yrs.
External powering	8~24Vdc (drives output & backlighting)
Intrinsic safe option	Exia IIB T4
Enclosure	IP66/67 (NEMA 4X) glass reinforced nylon, 175g (0.4lb)
Electrical	supplied with gland to suit 3-6mm (0.1- 0.2") Ø cable
Mounting	meter mount, wall, surface, pipe & panel

IN THE INTEREST OF CONTINUED PRODUCT DEVELOPMENT THE DESIGN & SPECIFICATIONS MAY ALTER WITHOUT NOTICE

EB10 SERIES BATCH CONTROLLERS

Overall Dimensions



Model Codes

UNIVERSAL MOUNT INSTRUMENTS (suitable for wall, surface, pipe, meter or panel mounting)

BT11	Dual totaliser with scaleable pulse output				
Electrical access					
0	Cable gland supplied				
1	M20 x 1.5mm (M16 x 1.5mm for Al housing) female threaded conduit entry ports (sealed ports remain IP66/67 when not used)				
2	1/2" NPT female threaded conduit entry ports (not available on aluminium housing)				
Flow input type					
D	Digital (pulse or frequency)				
Power supply					
0	Self powered (battery) or regulated 8~24Vdc				
Housing type					
FM	Universal mount (field or panel) - GRN housing				
MM	Integral meter mount - GRN housing*				
* Only order MM when retro fitting an instrument to OM series pulse meters					
Electrical options					
-	I	Intrinsically Safe to Exia IIB T4 - IECEX & ATEX approved			
Mechanical options					
	P	Facia protector - for Aluminium housing only (3mm clear polycarbonate protection plate)			
Model No. Example					
BT11	0	D	FM	FA	- I P
Part No. Accessories for above series					

Service & Warranty: For technical assistance, warranty replacment contact your FLOMEC™ distributor.
In North or South America: 888-996-3837 / GPI.net
Outside North or South America: +612 9540 4433 / flomec.com.au