BAT R/T

Features

- Magnetic Pickup Input, Contact Closure Input, DC Pulse Input (Optically Isolated)
- Displays Rate & Total Simultaneously
- 4 ^{1/2} Digit Rate Display, 8 Digit Totalizer Display
- 4-20mA Analog Output Option
- Powered From Internal Battery, External DC Supply or 4-20 mA Output Loop
- 10 Pt. Linearization
- New & Improved Isolated Scaled Pulse Output

Description

Featuring 4^{1/2} digits of rate and 8 digits of total, the BAT R/T is a battery powered indicator capable of accepting magnetic pickup, DC pulse and switch closure inputs from pulse producing flowmeters. The unit can be ordered with an optional 4-20mA output. The BAT R/T uses the 4-20mA loop to provide power when this output is used.

Specifications

Power:

BATTERY POWERED

Supplied with 2 C size Lithium battery pack.

EXTERNAL POWER INPUT

Voltage: 8.5 to 30 VDC

Current: Less than 5 mA

Supplied with 1 C size lithium battery for standby operation

Protection: Reverse Polarity Protection on DC Power Input

LOOP POWERED

Voltage: 8.5 to 30 VDC

Supplied with 1 or 2 C size lithium battery(ies) for standby operation

Protection: Reverse Polarity Protection on Current Loop Loop Burden: 8.5V maximum

Battery Life Expectancy

	Rontinie				
	Idle	2hrs/day	8hrs/day	24hrs/day	
BATRT A	5 yrs	4.5 yrs	3.5 yrs	2.1 yrs	
BATRT A 4	5 yrs	3.7 yrs	2.7 yrs	1.5 yrs	
BATRT B/C Standby Operation	2.5 yrs	2.25 yrs	1.75 yrs	1 yr	
BATRT B/C 10 years External or Loop Power					

All of the above values are calculated with the pulse output ON. Turn the pulse output OFF to prolong battery life up to 30%.

Battery Powered Ratemeter & Totalizer



- Intrinsically Safe Option
- New, Attractive NEMA4 Wall Mount Enclosure with User Access to Keypad

Display:

Rate Display: (selectable decimal)
4.5 Digits (19999), 0.35" High, Display updates once every two seconds
Rate Descriptors: /SEC, /MIN, /HR (/DAY optional)
Min. Input Frequency: .125 Hz to 10 Hz (selectable delay of 0.1 to 8.0 seconds)
Totalizer Display: (selectable decimal)
8 Digits (99999999), 0.2" High

Totalizer Descriptors: GAL, LIT, FT3, M3, "blank" (BBL optional)

Warning Displays: Low battery warning "BAT"

Pulse Output:

The pulse output advances with the least significant digit of the totalizer or decimal multiples there of (see Pulse output divider).

Type: Isolated photomos relay Max. voltage (off state): 30 VDC Current (on state): 100mA Pulse Duration: Selectable (see below) Pulse Output Rate: Selectable (see below)

SPEED (HZ)	1	2	4	8
Min. on/off (msec)	500	250	125	62.5

Pulse output divider: User selectable, ÷1, ÷10, ÷100 or OFF

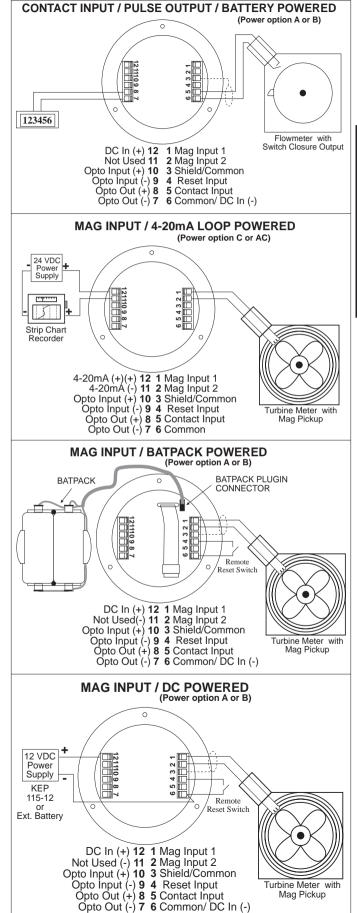
NOTE: Select OFF for max. battery life.

Mounting Styles:

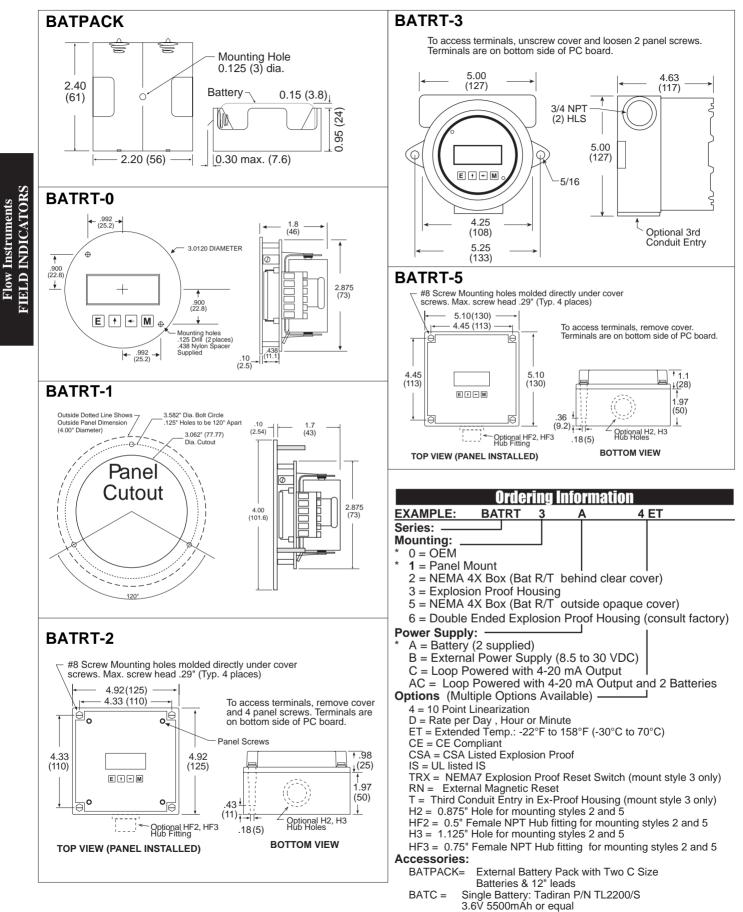
mounting otyres.	
0- Circuit Board-	OEM option (consult factory)
1 - Panel Mount -	NEMA 4X Front
2- Wall Mount -	NEMA 4X Enclosure with BAT R/T
	mounted behind clear cover
3- Explosion Proof -	Class I, Division I, Groups B, C & D
	Class II, Division I, Groups E, F & G
5- Wall Mount -	NEMA 4X with keypad mounted
	outside opaque cover



Typical Wiring:



Flow Instruments
FIELD INDICATORS



115-24 = 115 VAC to 24 VDC power supply

* External battery pack supplied with models BATRT0A & BATRT1A