

## KEP Totalizer/Rate Meter

Low Cost, Pulse Input,  
Totalizer & Ratemeter



### MINITrol Series

- Separate Scaling Factors for A and B Inputs ▲ MRT
- Display Rate and Total
- Pulse Input—10 kHz Maximum
- Security Lockout
- RS-422/RS-232 Serial Communication
- NEMA-4X/IP65 Front Panel
- Separate Add/Subtract Simultaneous Inputs
- Quadrature and U/D Direction Control Inputs
- 30 mV Magnetic Pickup Inputs
- 4–20 mA or 0–20 mA Analog Output

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.  
Order Example: MRT-A-3-1

A	B	C	D
<b>A Basic Unit</b>			
MRT	6-Digits, Counter/Ratemeter		
MC2	6-Digits, Counter Only		
MR2	5-Digits, Rate Only		
<b>B Operating Voltage</b>			
A	110 VAC ±15% or 12 to 15 VDC		
B	220 VAC ±15% or 12 to 15 VDC		
C	24 VAC ±15% or 12 to 15 VDC		
<b>C Count Inputs</b>			
3	Standard, 4–30 VDC Simultaneous Inputs		
3M	Mag. Input, Input A Only, 30mV Input (Input B, 4–30V)		
3MB	Mag. Input, Inputs A and B, 30 mV input		
5	4–30V Pulses on Input A, 4–30V Direction Control Input on Input B		
5M	30 mV Pulses on Input A, 4–30V Direction Control Input on Input B		
9	Quadrature, Accepts 4–30V Pulses		
9MB	Quadrature, Accepts 30 mV Pulses (A and B)		
<b>D Control Output</b>			
1	RS-232 Communications		
2	RS-422 Communications		
3	Modbus RTU RS-232		
4	Modbus RTU RS-422/RS-485		
A	Analog Output (4–20/0–20 mA)		

## Trumeter Time Relays

- 8 or 18 Non-Signal and Signal Based Functions
- 3 Digit LCD for Easy Programming
- Wide Timing Range: 0.1 sec to 999 hours
- Tamper Proof with Key Lock
- Multi-Voltage: 24 – 240VAC/VDC
- Option to Select Up/Down Counting
- Compact 17.5mm DIN Rail Mountable
- CE & UL Recognized



7957



The 795X are DIN rail mountable digital time relays, available with either 8 operating modes (7954) or 18 operating modes (7957). They are easily configured using the 3 digit LCD display. These relays give a wide timing range of 0.1s – 999Hr and provide a clear indication of the changeover relay status via the front panel LED. The compact 17.5mm wide housing is snap-in DIN rail mountable, making it simple to install. These modules accept a wide range of operating voltages, feature 8 amp Form C (SPDT) relay outputs and allow key-locking to prevent unauthorised settings tampering.

### OPERATING MODES

#### 7954

- ON Delay
- Cyclic OFF/ON
- Cyclic ON/OFF
- Signal ON/OFF
- Signal OFF Delay
- Interval
- Signal OFF/ON
- One Shot Output

#### 7957

- ON Delay
- Cyclic OFF/ON
- Cyclic ON/OFF
- Impulse on Energising
- Accumulative Delay on Signal
- Accumulative Delay on Inverted Signal
- Accumulative Impulse on Signal
- Signal ON Delay
- Inverted Signal ON Delay
- Signal OFF Delay
- Impulse ON/OFF
- Signal OFF/ON
- Leading Edge Impulse 1
- Leading Edge Impulse 2
- Trailing Edge Impulse 1
- Trailing Edge Impulse 2
- Delayed Impulse
- Inverted Signal ON Delay (Type 2)

### ORDERING INFORMATION

7954	8 Function Digital Timer, 1 C/O, 24-240VAC/DC
7957	18 Function Digital Timer, 1 C/O, 24-240VAC/DC