

TIM018-MK2

Triple Output Loop Splitter



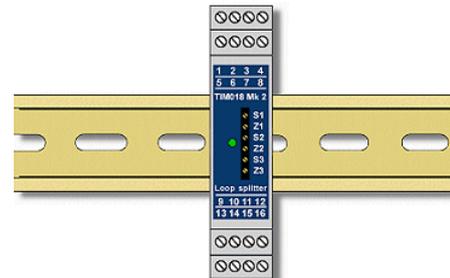
KEY FEATURES

- The TIM018-Mk2 triple loop splitter takes one 4-20mA input and creates 3 copies.
- Each output loop can be scaled separately.
- Wide range power supplies cover 95-265 VAC or 11-30VDC.
- Adjustments from the front panel.
- Detachable screw terminal connectors.
- Narrow case, allows dense packing.
- All loops are load-isolated.
- DIN rail mounted

EXAMPLE

DESCRIPTION

Improve the security of your distributed 4-20mA loops. Designed and built by us in the UK. The TIM018-Mk2 takes one 4-20mA input and splits it 3 ways. Each output loop can be scaled separately.



The new improved version of the TIM018 has many of these improvements over the previous model.

All loops are load-isolated, so that a problem on one loop won't affect the others.

Look at the example system with the TIM018 triple loop splitter included. If any of the receivers on the outputs of the TIM018 are disconnected, the other loops will still function correctly.

ORDERING CODE

TIM018-MK2-	X
Input voltage:	
95-265V AC	AC
11-30V DC	DC

TECHNICAL DATA

INPUT

Input Signal	4-20mA
Input Resistance	50 Ω
Resolution	Infinite
Open Circuit Input Response	Downscale Drive
Speed of Response	< 100 mS
Accuracy	± 0.1% of span
Temperature stability	100 ppm of range °C span and zero

OUTPUTS

Number of output channels	3
Output range	4-20mA, 0-10mA
Span adjust ability	±9 mA at 20 mA input
Zero adjust ability	±1 mA at 4 mA input
Influence between outputs	Minimal. Any load conditions on one O/P has negligible effect on others
Adjustment location	On front face of transmitter, via access slot
Isolation	Isolated from ground, but not from input
Loop drive capacity	600Ω per loop at 20mA
Response speed	200 m Seconds
Accuracy	±0.1% span
Temperature Co.	± 75ppm/°C

EXCITATION

Excitation supply	20V DC nominal ±10%
Current Capacity	30mA max. permissible load

RATED OPERATING CONDITIONS

Supply voltage	95-265V AC, 40...400Hz 11-30V DC	Current consumption: Allow 3VA if excitation supply fully loaded
Ambient temperature	Operating: 0 up to 50°C	Storage: - 20...70°C
Relative humidity	10 to 90% rh max. at 40°C, non condensing	
Casing protection grade	IP40	

DIMENSIONS AND WEIGHTS

Case (stacking) width	22.7mm
Case forward projection	111.7mm
Case height	99.7mm
Typical transmitter weight	200g
Case material	Polyamide PA 6.6
Cable dimensions	Accepts multi strand wires total area from 1mm ² to 4mm ²
Flammability class	V0 (UL94)

