



ISOLATED
DUAL OUTPUT
AVAILABLE
SHORTLY



DTI



DTI - RRL

MECO DC Isolation Transducer takes various DC Voltage or DC Current signal inputs and provides a Stable, Ripple-Free and Optically Isolated DC load independent output in the form of current or voltage. The output can be connected to Controllers, Data-Loggers, PLC's, Analog / Digital Indicators, Recorders for display, analysis or control. They are ideal for SCADA, Energy Management, Telemetry for Remote, Local as well as Central Monitoring Systems. Model DTI - RRL has LED indication at Power ON condition.

Model : DTI (DIN Series)				Model : DTI - RRL (DIN Series)						
DC Input				DC Output				Auxiliary Power Supply		
Input Ranges		0-100 mV 0-1 V 0-5 V 1-5 V 0-10 V 2-10 V 0-1000 V	4-20 mA 2-10 mA 1-5 mA 0-1 mA 0-10 mA 0-16 mA 0-20 mA	Current		Voltage		Tolerance		Burden
				Output	Load	Output	Load	SMPS - HV	85 - 265V AC / DC	< 2.5 VA
Measuring Range		0-1.2 In, 0-1.2 Un		0-1 mA	0-10 KΩ	0-1 V	> 1 kΩ	SMPS - LV	19 - 90V AC / DC	
Overload (continuous)		1.2 x Un, 2 x In		0-5 mA	0-2 KΩ	0-5 V	> 5 kΩ			AC Linear Power Supply
Burden		10 kOhm/V for Voltage 100 mV for Current		0-10 mA	0-1 KΩ	1-5 V	> 10 kΩ			
Bi-directional Inputs		-50/0/50 mV DC to -300/0/300 V DC		2-10 mA	0-500 Ω	0-10 V		> 10 kΩ		
				0-20 mA		2-10 V				
				4-20 mA						
				4-12-20 mA	0-500 Ω	0-5-10 V	> 10 kΩ			

Optional

- Bi-directional Inputs available
- Other input ranges available subject to technical feasibility

Optional

- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@mecoinst.com
- Dual Symmetrical & Asymmetrical Outputs
- Bi-directional Outputs
- Other output ranges available subject to technical feasibility

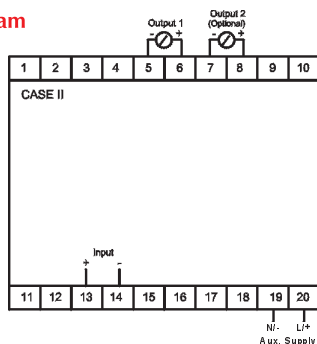
Optional

- Other Auxiliary Power Supplies available subject to technical feasibility

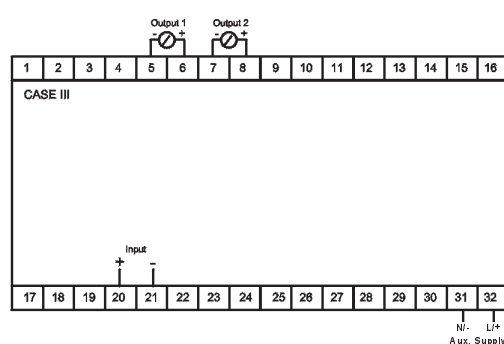
Dimension

- DIN Series :**
- Case Size III for Dual Output (Isolated) of AC, DC or SMPS Aux. Supply
 - Case Size II for Single or Dual Output (Non-Isolated) of AC, DC or SMPS Aux. Supply
- Note :**
- For Case Size refer General Specifications

Connection Diagram



DTI/DTI - RRL WITH AC/DC/SMPS AUX. SUPPLY



DTI/DTI - RRL WITH AC/DC/SMPS AUX. SUPPLY (DUAL ISOLATED OUTPUTS)