# INSTALLATION MANUAL T201DCH50-M T201DCH100-M T201DCH300-M

AC/DC TRUE RMS or DC BIPOLAR CURRENT TRANSDUCER WITH RS485 PORT AND MODBUS RTU PROTOCOL



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## MODULE LAYOUT

	426.0 mm ►	95.0 mm							
68 mm		SSENCEA TOTOCHISM SOA TOTOCHISM IOA TOTOCHISM IOA TOTOCHISM IOA TOTOCHISM IOA Haat Aaad Aaad Aaad Aaad Aaad Aaad Aaad A							
Dimensions (L×H×	'	68 x 26 mm							
Weight		120 g.							
Case		erial PA6, Black color.							
Mounting		standing or on IEC EN60715 DIN rail with 2 accessories included.							
LED SIGNALLIN	LED SIGNALLING ON FRONT PANEL								
LED	State	LEDs Meaning							
PWR COM (Green)	On/Off	Power supply presence / The device is powered off							
	Blinking	Communication presence on RS485 port.							
TECHNICAL SP	ECIFICAT	IONS							
STANDARDS		EN61000-6-4 Electromagnetic emission, industrial environment EN61000-6-2 Electromagnetic immunity, industrial environment EN61010-1 Safety							
INSULATION		When a sheathed wire is used, the insulation voltage is set by sheath properties. On a bare wire, it's stated to 3 kV $\sim$ .							
ENVIRONMENTAL C Temperature Humidity Altitude Storage temperature Protection degree	ONDITIONS	-20°C - +70°C. 10% - 90% not condensing. Up to 2000 m a.s.l -40°C - +85°C. IP20.							
CONNECTIONS		Removable 5-way screw terminals, 5,08 mm pitch, for cables up to 2.5 mm <sup>2</sup> . Through hole 20.8 mm (0.8 Inch) diameter.							
	ORT	RS485 serial port on screw terminals A+ and B							

### **TECHNICAL SPECIFICATIONS**

crew terminals Vcc and GNE – 28 V ==, A (without load). rrough hole 20.8 mm diamet C True RMS or Bipolar DC z A impulsive, 300 A continuo DC True RMS (DIP7=OFF) – 25A or 0 – 50A – 50A or 0 – 100A – 150A or 0 – 300A crew terminals Vout and GN	er.							
A (without load). rrough hole 20.8 mm diamet IC True RMS or Bipolar DC z A impulsive, 300 A continuo DC True RMS (DIP7=OFF) – 25A or 0 – 50A – 50A or 0 – 100A – 150A or 0 – 300A	us. DC Bipolar (DIP7=ON) - 25 - +25A or - 50 - + 50A - 50 - +50A or -100 - +100A							
rough hole 20.8 mm diamet C True RMS or Bipolar DC A impulsive, 300 A continuo DC True RMS (DIP7=OFF) - 25A or 0 - 50A - 50A or 0 - 100A - 150A or 0 - 300A	us. DC Bipolar (DIP7=ON) - 25 - +25A or - 50 - + 50A - 50 - +50A or -100 - +100A							
z A impulsive, 300 A continuo DC True RMS (DIP7=OFF) - 25A or 0 - 50A - 50A or 0 - 100A - 150A or 0 - 300A	DC Bipolar (DIP7=ON) - 25 - +25A or - 50 - + 50A - 50 - +50A or -100 - +100A							
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A impulsive, 300 A continuo DC True RMS (DIP7=OFF) - 25A or 0 - 50A - 50A or 0 - 100A - 150A or 0 - 300A	DC Bipolar (DIP7=ON) - 25 - +25A or - 50 - + 50A - 50 - +50A or -100 - +100A							
- 25A or 0 - 50A - 50A or 0 - 100A - 150A or 0 - 300A	- 25 - +25A or - 50 - + 50A - 50 - +50A or -100 - +100A							
- 50A or 0 - 100A - 150A or 0 - 300A	- 50 - +50A or -100 - +100A							
– 150A or 0 – 300A								
	-150 - +150A or $-300 - +300A$							
crew terminals Vout and GN	-100 - +100A 01 -000 - +000A							
JTPUT     On screw terminals Vout and GND.       pe     0 - 10 V <sup></sup> , Minimum load R <sub>LOBD</sub> = 2 kΩ.       otections     Reversal polarity protection and over-voltage protection       13 bit (10000 points)     13 bit (10000 points) <i>Il error</i> < 0.5%								
Precision Under 2% of full-sc	ale Precision Over 2% of full-scale							
170 01 1011 00010	0.5% of full-scale							
al 50/00 AZ, 23 C	at 50/60Hz, 23°C							
aanductor	CAT. III 300 V CAT. III 600 V							

#### PRELIMINARY WARNINGS

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Before performing any operation is mandatory to read the full contents of this

manual. The module may only be used by qualified and skilled technicians in the field of electric installation. Specific documentation is available for download at website: www.seneca.it/prodotti/t201dch50-m or www.seneca.it/prodotti/t201dch100-m or www.seneca.it/prodotti/t201dch300-m.



Only the Manufacturer is authorized to repair the module or to replace damaged parts. The product is susceptible to electrostatic discharge, take appropriate countermeasures during any operation.



No warranty is granted in connection with faults resulting from improper use, from modifications or repairs carried out by Manufacturer-unauthorized personnel on the device, or if the content of this user Manual is not followed.

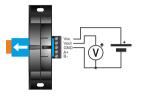


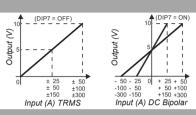
## PRELIMINARY WARNINGS



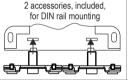
Disposal of electrical & electronic equipment (applicable throughout the EU and other countries with separate collection programs). The symbol found on this product or on its packaging, indicates that this product it must be handed over to an authorised collection point for **the recycling of electrical and electronic equipments**.

**ELECTRICAL CONNECTIONS** 





MOUNTING



The device can be located in any position and place, in accordance with the operating conditions above stated. Use the included hooking bracket t when fixing to a DIN rail.

WARNING: High-strength magnetic fields may change the output value: let avoid closeness to permanent magnets, electromagnets or iron bulks that cause such a modification of the surrounding magnetic field; try a different arrangement or orientation if zero error was greater than expected.

## CONFIGURATIONS

SW			A	S	w	David Data	SW						
1	2	3	4	Address	5	6	Baud Rate	7	Type of measure 8		Scale of measure		
t				#1			9600		AC/DC True RMS	Full scale			
	t			#2	t		19200	1	DC Bipolar	1	Half scale		
t	t			#3		1	38400		switches must be set with	KEY			
t		t	t	#13	t	t	57600		ver supply NOT connecte avoid module damaging.				
	t	t	t	#14			the instrument is factory configured for the range 50					ON	■ ♠
t	t	t	t	#15			A (DCH50), 100A (DCH100) and 300A (DCH300), with filter 800ms and AC/DC True RMS type of measure.						<b>U</b> •
				From Flash			From Flash		From Flash			OEE	
All switch OFF = parameters from Flash memory. See User Manual.													
CONTACTS													
Technical support Support@seneca.it Product Informations sales@seneca						) () () () () () () () () () () () () ()							

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