



AMBETRONICS AN ISO: 9001 : 2000 COMPANY



MANUFACTURER OF TIMER , COUNTER , RPM & TEMPERATURE INSTRUMENTS & PROCESS AUTOMATION

FAC : 17-N, TARUN INDUSTRIAL ESTATE, MOGRA PADA, ANDHERI (EAST), MUMBAI - 400069. INDIA.

TEL : 022-2837 1143/ 1086, 5699 5525/26, FAX : 022-2822 6570. Mobile :- 98210 62102, 93242 54646/7

Email - ambetronics@vsnl.com • ambetronics@yahoo.com • Website : www.ambetronics.com

PROGRAMMABLE AMPERE HOUR CONTROLLER AHC - 100

FRONT VIEW



SIZE : 96(W) X 48(H) X 120(D) in mm.

CUTOUT : 92(W) X 44(H) in mm.

BACK VIEW

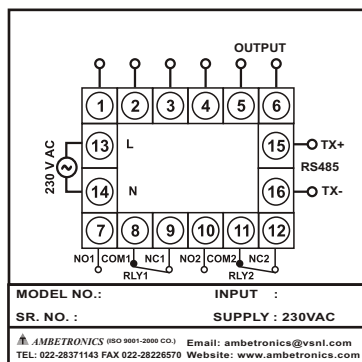
BACK VIEW										TX -	TX +
VIEW 										O/P	RS 485
	1	2	3	4	5	6	7	8			
	9	10	11	12	13	14	15	16			
	230 VAC			RELAY-1			RELAY-2				
P	N	E	NO1	C1	NC1	C2	NC2			BACK VIEW	
MODEL NO.:						INPUT :					
SR. NO. :						SUPPLY : 230VAC					
 AMBETRONICS (ISO 9001-2000 CO.) Email: ambetronics@vsnl.com											
TEL: 022-28371143 FAX 022-28226570 Website: www.ambetronics.com											



FRONT VIEW

SIZE : 72(W) X 72(H) X 120(D) in mm.

CUTOUT : 68(W) X 68(H) in mm.



BACK VIEW

CLASSIC FEATURES:-

- * Based on state of art latest microcontroller technology with Watchdog feature for fail safe operation.
- * Acceptability of analog input from DC Shunt.
- * A high resolution of 20000 counts (max) for Ampere rate & 999999 counts (max) for Ampere Hour Totalizer & Batch counter.
- * Highly informative, user friendly display & keyboard interface with indication for Ampere rate, Total & Batch.
- * Relay control action can be programmable.
- * Programmable latch OR non-latch facility for relay & relay indication.
- * User selectable batch quantity, batch counter & reset facility through keyboard & external contacts.
- * Non-Volatile battery backup memory to store data in case of power failure with configurable power up recovery option.
- * Isolated RS485 communication with MODBUS RTU Protocol.
- * Isolated retransmission of process value signal (Optional).
- * Configurable retransmission range setting by users.
- * Flameproof version is available on request.

APPLICATIONS :-

- * Widely accepted in industries like Metal Extrusion, Electroplating, Electro Polishing & Galvanizing, P.C.B. Manufacturing, Battery Charging, Hydro Generations, Electro Dip Painting, D.C. Substation.

TECHNICAL SPECIFICATIONS:-

Analog Input from	: 1) 0 - 75mV from DC Shunt.
Sensor Break	: Under Range 'UndEr' Over range 'oVEr' indication for 0-75mV.
Range	: 0 to 20000 (5 digit) counts of Ampere rate configurable as per Second, Min, Hour. 0 to 999999 (6 digit) counts of Ampere Hour Totalizer. 0 to 999999 (6 digit) Batch counter to know total no. of Batch completed.
Resolution	: Field programmable decimal point selection for Ampere Indication by users.
Accuracy	: Better than 0.1% of full scale reading..
Setting	: By 3 keys on front panel i.e. - + SET Keys.
Alarm Output	: 2 Independent set points for Ampere Hour Totalizer setting. 2 independent NO/C/NC contact for Ampere Hour Totalizer setting.
Relay Specification	: 5Amp. / 250VAC, 5Amp. / 30VDC at resistive load.
Control Action	: L & H, H & VH, L & VL control action facility individual for each relay. Auto reset pulse output for Batch application.
Display	: 5 Digit for Ampere rate OR 6 Digit for Totalizer, selectable by using (+) key on Front panel. 8 L.E.D.'s for RL1, RL2, TX, RX, PROG., SQR, RATE & TOTAL .
Memory	: Non-Volatile memory to store the Totalizer value, Batch count in case of power failure with 4 options of power up recovery i.e. No memory recovery, Batch memory recovery, Totalizer memory recovery & All memory recovery.
Reset	: Provision for Total reset from the panel as well as remote reset from back terminal through potential free contacts input for Ampere Hour Totalizer.
Supply	: 230VAC $\pm 10\%$ OR 110VAC $\pm 10\%$ OR 24VDC.
Mounting	: Panel mounting / Wall mounting for flameproof model.
Dimension	: 96(W) X 48(H) X 120(D) in mm. OR 72(W) X 72(H) X 120(D) in mm (Including back side connector)
Cutout	: 92(W) X 44(H) in mm. OR 68(W) X 68(H) in mm.
Cabinet	: ABS Plastic, Black Color for [96(W)X48(H)X120(D)] & White Color for [72(W)X72(H)X120(D)]
Optional	: a) Isolated RS485 Serial port with MODBUS RTU Protocol output for PC interface. b) Isolated 4 to 20mA retransmission programmable output for recorder or PLC proportional to selective range. c) Flameproof version is available on request for hazardous application.
Important	: MODBUS RTU Protocol support to update instrument setting through PC. Powerful SCADA software is available.
Weight	: 1 Kg.

ORDERING INFORMATION:

