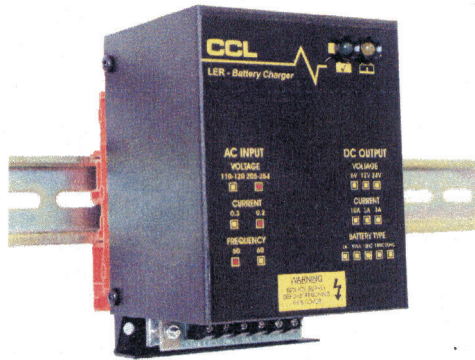


# COMPUTRONIC CONTROLS

## 72VA Range of AC/AC Isolation Transformers



### FEATURES:

- **Isolated AC outputs**  
240V~12V, 120V~24V, 240V~24V, 400V~24V
- **Fused AC Input & Output**
- **Galvanic Separation**
- **DIN Rail Mount Design**

### Safety

Batteries can be dangerous, do not place metallic objects across the terminals of a battery or battery pack. When handling batteries remove all loose jewellery, watches and rings. Take care not to place tools across the terminals. Only specified types of batteries should be used with this unit as charging others may cause damage and result in serious injury.

#### Before using this unit, ensure the following: -

Unit is physically checked, in event of any damage to unit please return to supplier.

AC Supply Voltage is checked against AC ratings of unit. If appropriate fit external fuses, see product specification to suit.

Read and follow the "How To Use" guidelines in this instruction document.

### Description

A range of high quality, low voltage a.c. output mains power supplies designed to power instruments and test equipment that do not have an internal power supply. These power supplies are intended for mounting on a 35mm symmetrical DIN rail. The units are housed in custom designed rugged, enclosure. The integral DIN rail clips mechanism allows the units to be fitted onto the DIN rail without the need for any tools, and are easily removed without any tools. The units feature front access screw terminals for easy connection and finger proof front access input and output fuses.

### Product Specification

Input	E181 (541-7807)	E183 (541-7829)	E184 (541-7835)	E185 (541-7841)
Nominal operating voltages	230V ±10%	115V ±10%	230V ±10%	400V ±10%
Nominal operating frequency	50/60Hz All Models			
Power (MAX)	100 VA All Models			
Input Fuse (F1) (Anti-Surge/20mm)	2A	3.15A	2A	Not Fitted (fuse with 500V/2A Fuse)
Output	E181 (541-7807)	E183 (541-7829)	E184 (541-7835)	E185 (541-7841)
Nominal voltage	12V ac	24V ac	24V ac	24V ac
Output current	6 amps	3 amps	3 amps	3 amps
Output Fuse (F2) (Anti-Surge/20mm)	6.3A	6.3A	6.3A	6.3A
Nominal off-load Voltage	13 V ac	26V ac	26V ac	26V ac
Load regulation	< 10% All Models			
General:				
operating temperature	0°C to +40°C			
overall dimensions (w x h x d)	85mm x 125mm x 95mm (3.3" x 5" x 3.75")			
weight	1.28Kg (2.8lbs)			
EMC emission / immunity	EN61000-6-1 / EN61000-6-3			

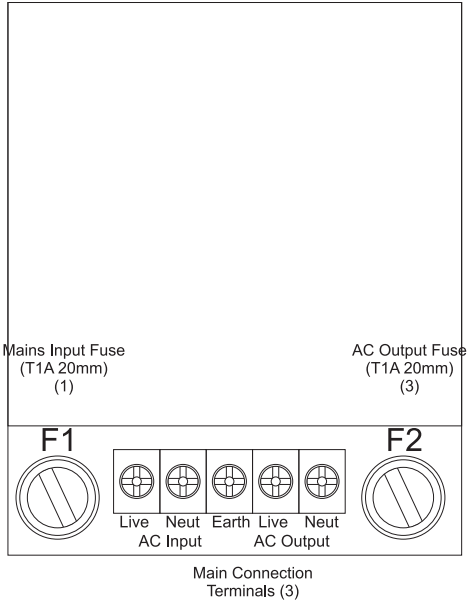
### Warranty

A one year limited warranty on materials and workmanship is given with this product. Details are available upon request.

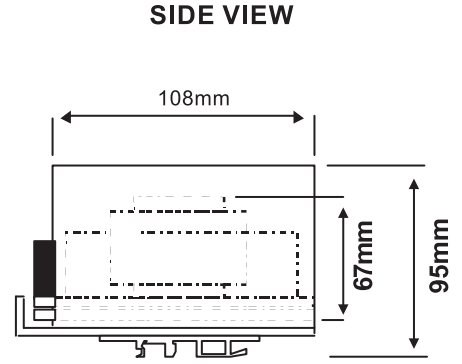
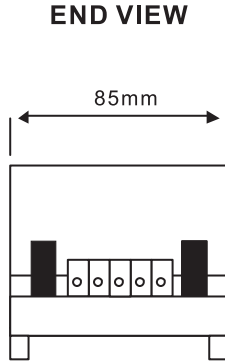
# Connections & Controls

## ALL MODELS

### CONNECTION, CONTROLS & DIMENSIONS



**FRONT VIEW**



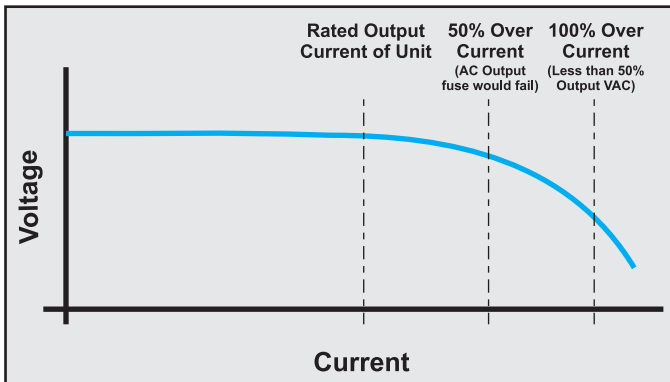
	Width (mm)	Height (mm)	Depth (mm)
All Models	85	125	95

## How to Use

Ensure the mains input voltage is within accepted input voltage span as defined on product specification in this document and input (F1) and output fuses (F2) are fitted as defined on product specification in this document.

Connect AC supply to terminals (3) observing connection details, and plug into the mains, switch the mains on and check the off load voltage as defined on product specification in this document.

Table (A) -Typical output characteristics



Connect the Line and Neutral Output terminals (3) to equipment 1 Singular Earth point is supplied which is common to AC input and AC output.

Switch on at mains, monitor AC output current to ensure it does not exceed product rating.

**WARNING: Trying to draw excessive current from the unit will cause the transformer to overheat and fail.**

Before disconnecting the unit from the connected equipment, switch off at mains, disconnect connected equipment and then disconnect connecting leads from equipment and unit.

### Computronic Controls

41 – 46 Railway Terrace  
Nechells, Birmingham, B7 5NG  
United Kingdom

Tel: +44 121 327 8500

Fax: +44 121 327 8501

email: [sales@computroniccontrols.com](mailto:sales@computroniccontrols.com)

web: [www.computroniccontrols.com](http://www.computroniccontrols.com)